he Mining Journal COMMERCIAL GAZETTE,

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 500.---Vol. XV.]

LONDON: SATURDAY, MARCH 22, 1845.

PRICE 6D.

PORTANT SALE AT LIVERPOOL.—On WEDNESDAY, the 2d day of APRIL next, at Twelve o'clock, at the General Sale Room, Oldhall-8, the goods now or view at the City of Dublin Company's Stores, about 7000 pieces of PRINTED COTTONS, 300 "DYED COTTONS, 1000 "WHITE COTTONS, 1000 "WHITE SHIRTING, Also, sundry packages of HARDWARE, stranded off Formby 1, white shirting, and the cargo saved from the wreek of the Valparatie, stranded off Formby 1, on her voyage to Valparaiso.

on the same day and place, being a Bankrupt's Stock, about 400 Wrought from RAILWAY WHEELS, 400 Wrought from RAILWAY WHEELS, 100 Cast—41th ditto ditto, 15 18 and 20 plate BUFFER SPRINGS, 24 17, 18, and 30 plates BEARING ditto, 119 11, 13, and 15 ditto CARRIAGE ditto.

*hole will be lotted to suit purchasers, and sold without reserve.—Apply to ALFRED FELL, Broker.

ALFRED FELL, Broke

NING MATERIALS FOR SALE, IN CARNARVONSHIRE.—TO BE SOLD, BY AUCTION, without the least reserve, on Toesday,
day of April, 1845, at the hour of Eleven o'clock, at the Bnekeley Mines, on
porth lands, near Beddgelert, the whole of the MINING MATERIALS belonging
UERKELEY MINE COMPANY, consisting of a 27-set WATER WHEEL, 3-feet
ORUSHING MILL, nearly new, with 32-inch rolls; stamps, with eight heads;
in tons of T pattern rolled iron ralls, sheet from waggons, smiths' bellows, any
tools, Iron, timber, &c.

AL AND IRONSTONE MINES.—TO BE SOLD, BY AUGITON, in the mouth of MAY next, by Mr. CORBETT, anctioneer, Bilston, the FREEHOLD ESTATE and COLLEGERES, situated at Darlaston-green, adjoin-he Birmingham Canal and the Grand Junction Railway, containing about sixty and also the MINES and MINEEALS under the same; together with the EN-PITS, the very complete CEMENT-WORKS, FREESTONE QUARRY and NERY thereon.

-The Birmingham Coal Company are now sinking a shaft to prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars, in the power work of the Prove the Ironstone specially the flus Flars.

NERY thereon.

The Birmingham Coal Company are now sinking a shaft to prove the Ironston specially the Blue Flats, in the upper part of the estate—the lower part have been aufficiently proved by the practical working of the same.

Irther information apply to Mr. Rawlins, solicitor; Messra Tyndall and Son, so Mr. Lawrence, at the Birmingham Coal Company's Offices, all of Birmingham Cope and Son, mine agents, West Brouwich; or to the auctioneer, Bilston.

MINE AND SLATE QUARRY ADVENTURERS.—
TO BE DISPOSED OF, BY PRIVATE TREATY, THREE-FOURTHS of the GINTERSTS in the BENALLT MINERAL DISTRICT, CARNARYONSHIRE, by the celebrated copper mines of Drws-y-Coed and Simdda-Dylluan. The lease over 640 acres of land, for the usual term of years, with 1-12th royalty. One of sy mineral lodes has been cut by an add t level, 110 yards long, at a considerable the course is three feet broad, internixed with copper, mundle, black jack, and s; another addit can be driven at another perpendicular depth of 200 feet, to eut e course, if judged advisable. The adventurers, principally small tradesmen, in make an effectual trial, and to give a person of moderate capital the rulling part, a bove shares at the nominal value of the outlay. The mines are situate seven om the shipping port of Carnarvon, and one mile from the railway leading thereto. Blue Slate Quarry, situate 44 miles from the above port, and on a range (at about es more westerly) of the immense slate vein of T. A. Smith, Esq. of the lease three lives and fifty-one concurrent years; the royalty only 1-50 profits. Such favourable terms and opportunity has rarely occurred. articulars apply to Messrs, Jones and Hughes, Bangor Slate Wharf, Pimileo, Loneers, Jones and Prichard, Carnarvon, North Wales; or to Henry English, Esq., er's-court, Throgenorton-street, London.

R SALE, BY PRIVATE CONTRACT, at HURRER DALE.

OR SALE, BY PRIVATE CONTRACT, at HUBBERDALE MINE, near Bakewell, Derbyshire, an excellent (nearly new) 40-inch cylinder NG ENGINE, upon the Cornish principle, stroke 10-ft. in the cylinder and 9-ft. and, with a tabular bislier, of alme tons weight; whoch, main caps, and first piece one balance beam, with box, &c., complete; capstan and ahears, ninety fathons che aspisan rope, one 12-inch working barrel, with 13-inch pumps, &c., to form a nont twenty-five fathoms; one 9-inch plunger pole, with case, H-piece, pumps, form a lift of about thirty-two fathoms; fifty-five fathoms of both backet rots, one ammered iron caps, &c., to fathous of find and the state of the stat

EAM-ENGINE.—WANTED immediately, for WHEAL CONCORD MINE, in the parish of South Sydenham, Devon, a STEAM-ENGINE, ir 40-inch cylinder. Whoever has one to dispose of, is requested to send price a lare to Mr. G. W. Snell, solicitor, Callington, Cornwall.—March 17.

AM-ENGINE.-WANTED TO PURCHASE, a STEAM NGINE, from 30 to 66-lench cylinder, with or without a bollor.—Captain James it authorised to TREAT with any party for the PURCHASE of the AROVE, for Wheal Anderton.—All communications abould be addressed to Captain James , Wheal Anderton (Raylston, Marketon, Parketon, Marketon, Parketon, Parket

AM - ENGINES, from 8 to 16-horse power, ALWAYS in OCK.—Apply to Mr. Capper, engineer and ironfounder, Birmingham.

N.B.—CASTINGS AND PIT WORK MADE TO ORDER.

NAGER WANTED FOR A MALLEABLE IRON-WORK.—The WEST OF SCOTLAND MALLEABLE IRON COMPANY will E APPLICATIONS for the office of MANAGER till the 10th of April. He must be thoroughly qualified to superintess of the iron making, but also the planning fruction of machinery and erections necessary for a Malleable Iron-Work. Attons, accompanied by teatmentals and references, to be lodged with Moncay and Forbes, writers, 45, West George-Street, Glásgow.—March 5, 1845.

ROPES.—PRICE and SMITH, No. 1, DUKE'S-LACE (opposite Duke's Dook), LIVERPOOL, MANUFACTURERS OF IM-COEDAGE.—FLAT and ROUND FIT ROPES made to order on the shape of white.

BE SOLD, OR LET ON LEASE, a MILL and FORGE, aplete, capable of turning out 100 tons of from per week; it is situated on the at WORKINGTON. Coal is plaintful and chain, being got in the immediate thood, and the charge for transfe to several good markets is moderate.

Mr. Balph Clay, Workington, Cumberland.

THLY VALUABLE MINERALS.—TO BE LET, all he MINES, VEINS, SEAMS, and BEDS of COAL, CULM, and IRON ORE, or the several extensive farms and lamit, called Hendreoven, Pentwyn, Castell lest, and Troodyne, situate in the partials of Liangonyd, Glamorganshire. fisce of the above lands contains about 1000 acres, abounding in minerals of the ty, by the working of which an ample fortune might be realised at a moderate Apply to Mr. John Trevillian Jenkin, solicitor, Swansea.

IN-LLYN-Y-PAIR LEAD MINE, NORTH WALES.

This celebrated old LEAD MINE, situate about four miles from the port of , Merionethaline, is now partly owned and cleared, and is proved to contain a to of rich lead ore; but, in commensure of the quantity of water raising in it, it and impracticable to work, it without the sid of the usual machinery, the executing which will be more than the capital the present proprietor has at his command. The proprietor whates to meet with a PARTY willing to ADVANCE MONEY for the set purposes, for which he is ready to GIVE ONE HALF ISS.—Several tons of lead may be seen on the premises in its various stages of a parties whething to see the bottom of the works, may (at their own expense), inc days notice, have the water raised, the cost of which will not exceed \$25, are particular spayly to Mr. David Davies, Abercories, near Machyulicit, 3 of the ore may be seen at Meiers, D. Morse and Co., 133, Fenchurch-st., Iondon.

N W O R K S.—A highly advantageous opportunity now RS to ESTABLISH IRON-WORKS. The minerals (anthractic coal and iron under a grant of 334 acres, have been fully opened, and proved to be of the , and are situate close to the reliway, down which the produce is conveyed to the port of Lianelly, Carmarthenshire. The proprietors of this valuable il either SELL THEIR INVEREST, or LET IT FOR A TERM OF YEARS, arrange to LET A FORTION the LAND for ERECTING IRON-WORKS here is a powerful steam-engine, and several buildings and houses now erected, acility presents itself for forming bisst-furnaces with the greatest expedition, particulars may be obtained on application to William Galsworthy, Esq. 104-oultry Chambers, London.

APITALISTS AND MANUFACTURERS OF WHITE AD.—TO BE SOLD, BY PRIVATE CONTRACT, the whole of the FREE-BMISES and substantial BULLDINGS, occupying it acres of ground, and sit the edge of the Old Birmingham Canal, adapted to the manufacture of White ages scale, consisting of spacious and lofty carbonating, washing, and drying paint mills, store rooms, litharge farances, laboratory, offices, and develing-set; minthy, stables, and extensive yard; with STEAM-POWER of 38-horse whole of excellent construction and in complete repair, mass would be applicable to any manufactory requiriting large and lony room. Bitte Leed Company, Birmingham, March 18, 1845.

THE ELECTRIC TELEGRAPH.—COOKE AND
The ELECTRIC TELEGRAPH has been adopted on the following LINES:—
By ORDER OF THE LORDS OF THE ADMIRALTY, on the South-Western Railway,
as a GOVERNMENT TELEGRAPH from the ADMIRALTY, whitehall, to POHTSMOUTH,
above NINETY MILES.
On the same line, as a Commercial Telegraph from Nine Elms to the Port of Southamuton, T miles—with a breach to Congress to 1.

above NINETY MILES.

On the same line, as a Commercial Telegraph from Nine Elms to the Port of South unplon, 77 miles—with a branch to Gosport, 15 miles.

On the London and Blackwall Rallway.

On the London and Blackwall Rallway, a "Single Way," 20 miles.

London and Dover Rallway, from London to Slough, 18 miles—the Windsor Telegraph.

Yarmouth and Norwich Railway, a "Single Way," 20 miles.

London and Dover Railway, from Indubridge to Maidstone, a "Single Way," 15 miles.

Part of the Oldham Branch Railway.

Part of the Leeds and Manchester Railway.

Part of the Edinburgh and Glasgow Railway.

Part of the Edinburgh and Glasgow Railway.

London and Birmingham Railway—viz., from Northamptes to Peterborough—a "Single Men," 47 miles.

Line," 47 miles.

In addition to the above, the Telegraph is about to be laid down on several "single ines" in different parts of England, Scotland, and Fredand.

Mr. Cooke is prepared to grant licences for the use or rection of the Telegraph for englastic of country, where the boundary can be accurately defined.

Mr. Cooke will also undertake to creet a Telegraph in any part of the United Kingdom ra fixed amount.

For further particulars apply to W. Fetheraill Cooke.

for a fixed amount.

For further particulars apply to W. Fotbergill Cooke, Esq., Kilbrooke, Blackheath; or to Robert Wilson, Esq., solicitor, 1, Copthall-buildings, London.

The following firms have taken Licenses to Steel Wheels in their respective localities.

The following firms have taken Licenses, Milwall, Poplar, London.

The following firms have taken Licenses, and Co., engineers, Newstate-on-Tyne.

Swayne and Bovill, engineers, Milwall, Poplar, London.

"Kitson, Thompson, and Co., engineers, Newstate-on-Tyne.

"Kitson, Thompson, and Co., engineers, Newstate-on-Tyne.

THE PATENT GALVANISED TRON COMPANY beg leave to announce to the public, that they are prepared to SUPPLY ROOFING, SHIP SHEATHING and FASTENINGS, CHAINS, and the endless variety of articles to which tron, not subject to rust, may be applied.—Testingonials may be seen by application at the

office, 3, Mansion House-place, London.

CAUTION.—THE PATENT GALVANISED IRON COMPANY having ascertained that certain PAPTIES are INFRINGING THEIR PATENT
by the MANUFACTURE and SALE of a SPURIOUS and COUNTERFEIT ARTICLE,
to the injury of the company and the destriment of the public, horeby give NOTICLE,
to the injury of the company and the destriment of the public, horeby give NOTICLE,
that this GOMPANY have the SOLE PRIVILEGE of manufacturing and selling IRON
COATED WITH ZINC, commonly called "Galvanised Iron," and that they will indict
the utmost PENALTIES of the law upon all PERSONS MANUFACTURING or SELLING
the same without their authority, as well as upon all persons buying or using any Galvanised Iron net manufactured by them, or sold by their authority.

3, Mansion House-place, London, Jan. 24, 1845.

TICTORIA PARK CEMETERY COMPANY.

Registered previsionally, pursuant to T and 8 Vic., c. 110.

Capital £20,000, in 2000 shares, of £10 each.—Deposit 10s. per cent.

The necessity of promoting the health of towns, by probabiliting interments within their walls (evinced by the recent exposures), is now universally admitted. Besides the excelient return shareholders will derive, they are entitled to the following privileges—viz.: Holders of two shares the right of nomination to one interment in the ground, called the "Proprietors' Ground," a plot reserved and maintained with flowers, &c., without charge, in perpetuity; holders of ten shares to a family grayer for four persons; holders of two shares the collection of the shares to a family grayer for four persons; holders of two the following the shares immediate application should be made to John Humphreys, Est., Licitor and registrar, 6, Spital-square.

ELECTION OF ANNUITANTS, IN MAY NEXT.
PROVIDENT CLERKS' MUTUAL BENEFIT ASSOCIATION AND BENEV.
LENT FUND, 60, King William-street, London-bridge.

Thomas Baring, Esq., M.P.
Thomason Hankey, jun., Esq.
Tressurer of the Benero'ent Fund—John Abel Smith, Esq., M.P.
Important advantages are offered by this association.—Proposals for life assurances respectuses, and every information, may be obtained at the offices, where donations and abscriptions to the Benevolent Fund are received.

GEO. THOMAS, Chairman.

The Fourth Annual Report may be obtained on application.

OFFICE FOR PATENTS, 7, STAPLE INN, HOLBORN J. MURDOCH (successor and late assistant to Mr. Hebert) informs inventors

J. MULDOOH (accessor and late assistant to Mr. Hebert) informs INVENTORS and PATENTEES, that at his OFFICE they can obtain REFERENCE TO A CLASSIFIED LIST OF PATENTS, (THE ONLY ONE EXTANT), which shows at one view all the Patents ever granted for any particular object, whereby they may save much trouble and expense, and procure information not otherwise obtainable. BRITISH and FOREIGN PATENTS OBTAINED, and USEFUL and ORNAMENTAL DESIGNS REGISTERED.

SPECIFICATIONS carefully prepared, and REPORTS of ENROLLED SPECIFICATIONS furnished on moderate terms.

FINISHED and WORKING DRAWINGS executed with accuracy and despatch.

EYSSEL ASPHALTE COMPANY-"CLARIDGE'S

CEYSSEL ASPHALTE COMPANY—"CLARIDGE'S PATENT."—Established 1838.

This Asphalte is a bituminous limestone, obtained from an inexhaustible raine at Pyrimont, in the Jura mountains. Previously to its introduction into this country, in 1838, the material had been used for many years in France, and, from its great utility, was extensively patronised by the Government of that country.

Among the various uses to which it can be applied, the following may be enumerated:

—For foot-pavements, public and others; in the carriage approach to mansions, gardenwalks, and terraces: the flooring of kitchens and other basement offices; also for coachiouses and stables, dog-kennels, burn-floors, cow-house, piggeries, pountry-house, tun-ooms, and maltings. For roofing, covering of railread and other srches, the lining of meleground cellars near rivers, to preven the ingress of the tides; also in covering the ground line of walls, to prevent damp rising (this application of the Asphalte of Seysest is applied to docks, breakwaters, or walls built for resistance to the encroachments of the eas. For lining of tanks, fish-ponds, and other hydraulic purposes.

L. FARIELL, Secretary.

Seysel Asphalte Company's Works, "Claridge's Patent,"

Stangate Depot, London,

Stangate Depot, London,

Books of Instructions for Use, may be bad of all tooksiders in tone and country, price 1s.

BY HER MAJESTY'S ROYAL LETTERS PATENT.

MART'S ELLIPTICAL CONVEX METALLIC FLOATS,
FOR STEAM-SHIPS, as applied to the Bristol and Dublin steamer SHAROCK,
and to the SWIFT, between Newport and Bristol; and also to the OSPREY, running
between Bristol and Waterford. The pittentee has now the satisfaction to announce, that,
in addition to the ships already hamed, he has granted a LICENSE to the Bristol General
standard probability of the Bristol Bristol Bristol Bristol Bristol Bristol
prinsing the Dublin, Cork, Waterford, and the various channel port steamers, varying in
power from forty horses to has hundred onch.
The numerous ADVANTAGES attending this valuable invention may be seen below:
1. The appearance of these floats is light and elegant.
2. Their durability and stability are indisputable, as may be instanced by the Shamrock
elesaner, which has been fitted with them for nearly twelve months, and has since steamed
therestly-five houseand mides. The floats are now as firm and good as how were the first day.
3. Vibration is reduced so as to be scarcely perceptible; thus, the engines are cased,
and both they and the ship suffer less wear and tear; and, from their peculiar form, they
are strikingly advantageous in cases of strong head wind and heavy see. Backwater and
undulation is also reduced to its handlest quantum, and thereby lessening the chance of

and both they and the ship suffer less wear and tear; and, from their peculiar form, they are strikingly advantageous in cases of strong head wind and heavy sea. Backwater and undulation is also reduced to its hnallest quantum, and thereby lessening the chance of accident to small beats, barges, &c., which has hitherto been consequent on the operation of the common paddle-float, particularly in crowded rivers.

4. They more readily arrest the progress of a ship in chastes of a collision, the concave side taking the water when this operation is performed. This is of great importance in preventing collisions, or backing off a shore.

5. They are very simple, and are easily applied to any paddle-wheel, at nearly the same cost as the common float, and THEY INCREASE THE SPEED MORE THAN ONE KNOT FER HOUR.

For license to use them (for which the charge is 10s. per horse-power), apply to the patentee, Mr. ROBERT SMART, 8, Grenville-place, Hofwolls, Bristol, who will personally attend the fitting, if required, his travelling expenses being paid.

A G E N T S.

Mesars. George Luncil and Co., engineers and shipbuilders, Bristols W. J. Le Feuvre, Esq., Southampton.

J. N. Smart, Esq., Samose.

Thomas Mowatt, Esq., engineer, Leith, near Edinburgh.

Scott, Sinclair, and Co., Greenock.

W. H. Hutchinson, Esq., Hull.

J. R. Pim, Esq., Dublin and Liverpool.

Jukes, Coulson, and Co., 12, Clement's-lane, Lendon.

***e-Testimonials of the highest order, on application to the patentee or his agents, Bristol, December, 1844

MR. W. FORDYCE, SHAREBROKER, 15, GREY-STREET NEWGASTLE-ON-TYNE.

RYE AND THOMAS, MINE AGENTS AND DEALERS IN STOCKS, RAILWAY AND OTHER SHARES, 80, OLD BROAD-STREET, LONDON. 25

NINING AND RAILWAY OFFICE, LISKEARD, CORNWALL.—Mr. T. MOON having been, for a considerable time past, successfully engaged as AGENT for many parties investing capital in the above and other prosperous districts, begs most respectfully to assure all persons wishing to PURCHASE SHAIRS, that orders, to any extent, entrasted to him, will meet with the most prompt and one scientious attention, and the best and most authentic information at all times afford.

BANK OF AUSTRALASIA: Incorporated by Royal Charter ANK OF AUSTRALASIA: Incorporated by normal contract.

1835.—London Office, 2, Moorgate-street, March 17, 1845.—Notice of Dividend.—
The court of directors hereby give Notice, that a HALF-YEARLY DIVIDEND of THREE PER CENT. (being at the rate of 6 per cent. per annum) on the whole of the capital stock of the corporation, will be PATABLE to the proprietors on Monday, the 14th day of April next, at their offices as above, between the hours of Ten and Three.

The Transfer Books of the Bank will be closed on Monday, the 24th lust., and continue so until the dividend becomes payable.

By order of the court,

WILLIAM MILLIKEN, Secretary

LAENAVON IRON AND COAL COMPANY.—Notice is hereby given, that the ANNUAL GENERAL MEETING of the shareholders of this company will be HELD at their offices, Paneras-lane, London, on Friday, the 25th day of April next, at Two celeck precisely, when, in addition to the report of the accounts and transactions of the past year, it will be proposed to the meeting to determine on the best means of increasing the capital for the completion and bringing into immediate operation the new works of the company, and for other purposes.

By order of the board,

JAMES BOOTH, Secreta Offices, 4, Pancras-lane, March 20, 1845.

SPANISH PASSIVE BONDHOLDERS!—CAUTION. CPANISH FASSIVE BEADED HOLDS to sell. Your stock is now scarce, and remember M. MON, the Spanish Minister of Finance, has piedged himself to propose to the Cortes a settlement of the whole Foreign Debt of Spain. Is the Active Stock, then, only to be converted, and our interests be neglected? Believe it not. You £100 Bond is now worth but £7. If you will but be firm, another month will make the worth £17.

THE DEBENTURE CREDITORS in the EASTERN COAST OF CENTRAL AMERICA COMMERCIAL AND AGRICULTURAL COMFANY are hereby informed, that FULL PARTICULARS of the PROCEEDINGS which took place at a PUBLIC MEETING, held by advertisement, at the London Tavern, on the 25th ult., and confirmed at a subsequent meeting, held at the same place, on Wednesday, the 5th of March Inst., are READY for their INSPECTION, at the office of Mr. Patteson, 44, Warnford-court, Throgmorton-street, between the hours of Eleven and Three o'clock. The subscription agreement by which the Debenture Creditors are invited to participate in the advantages contemplated of future proceedings, and to carry out which a committee was appointed, lies at the same place, for signature, until the 31st inst.

A PATENT FOR SALE.—This PATENT is for an IMPROVED METHOD in the GENERATING of STEAM and the EVAPORATING of FLUIDS. Its most valuable properties are its rapid and almost instantaneous action—most astonishing saving: in fuel—the total prevention of the boiler bursting, and the very material reduction in the weight of metal and space it occupies. It has the approbation of the most eminent engineers.—For particulars apply to Mark Barnard, Esq., 30-licitor, Southampton-street, Covent-garden.

MPORTANT TO INVENTORS AND PATENTEES.—
PRACTICAL ASSISTANCE given to parties taking LETTERS PATENT, by
Mr. J. WILSON, ENGINEER and PATENT AGENT.—Every description of business relating to or connected with PATENTS, REGISTRATION OF DESIGNS, PATENT
AGENCY, &c., conducted at his offices, 16, CHANCERY-LANE (opposite Carey-street).
Printed instructions to parties derious of procuring Letters Patent to be had (gratis) or
application to the office as above.—MECHANICAL DRAWINGS of every description—
ORIGINAL DESIGNS for machinery, MODELS, &c., executed with dispatch and economic

ANDREW SMITH'S PATENT WIRE ROPE,
FOR MINING, RAILWAY, and SHIPPING PURPOSES.—The Royal yachs
FOR MINING, RAILWAY, and SHIPPING PURPOSES.—The Royal yachs
in the Royal Navy, as well as the Merchants' Service, have been FITTED WITH ANDREW
SMITH'S PATENT WIRE ROPE; it is about half the size and weight of hempen rope
and one-third cheaper.—For particulars apply to A. Smith, 69, Princes-street, Leicestysquare; White Lion-court, Cornhill; or at the works, Millwall, Poplar, London

SIR W. BURNETT'S PATENT—THE CHEAPEST AND BEST PROCESS for the PRESERVATION OF TIMBER, CANVAS, CORDAGE, COTTON, WOOLLEN, &c.—LICENSES GRANTED to NOBLEMEN and GENTLEMEN to use the preparation; and to others, for the purposes of trade, on advantageous terms. HYDRAULIC APPARATUS AND TANKS, as preparation of the above materials, at the principal static

for the expeditious preparation of the above materials, at the principal station, MILLWALL, POPLAR, nearly opposite Greenwich.

Numerous SPECIMENS and TESTIMONIALS may be seen, and every information of tained, at the office, 53, King William street, London-bridge.

PO ENGINEERS, RAILWAY CONTRACTORS, MINING AGENTS, IRONMASTERS, AND OTHERS REQUIRING FINE GREASE for MACHINEHY and AXLES of every description.—JOSEPH PERCIVAL'S IMPROVED ANTI-FRICTION GREASE is—after trials on machinery and axles of every kind where constant friction is kept up—admitted to be the most useful, economical, and best paparation of the kind ever offered to the public.

References to scientific and practical men can be given, and testimonials shown of a great excellence.—Samples forwarded on application at the manufactory, Green-street, Wellington-street, Blackfriars-road, London.

THE PATENT SAFETY FUSE, OPERATIONS.—This article affords the Safets, CHEAPEST, and most EXPEDITIOUS MODE of effecting this very hazardous operation. From many testimonies to its usefulness with which the manufacturers have been favoured from overy part of the kingdom, they select the following letter, recently received from John Taylor, Esq., F.R.S., Sec.:—"I am very glad to hear that my recommendations have been of any services to you; they have been given from a thorough conviction of the great usefulness of the Safety Fuse; and I am quite willing that you should employ my name as evidence of this." Manufactured and sold by the Patentees, BICKFORD, SMTTH, and DAVEY, Carylorne, Corawall.

OTICE TO INVENTORS.—OFFICE FOR PATENTS OF INVENTIONS AND REGISTRATIONS OF DESIGNS, 14, LINCOLN'S NAVIELDS.—The printed INSTRUCTIONS graths, and every information upon the dect of PROTECTION for INVENTIONS, either by Letters Patent or the Designs Act. as ye had by applying personally, or by letter, pre-paid, to Mr. Alexander Princes to office, 14, Lincoln's inn-Fields.

PATENT GALVANISED IRON COMPANY.—CAUTION

—This PATENT was decided by the Jury, in the case of Patteson v. Holland, tried
in the Court of Common Pleas, at Westminster, on the 12th, 13th, and 14th of Fournay
last, to be INVALID.

BY HER MAJESTY'S ROYAL LETTERS PATENT.

MOREWOOD and ROGER'S PATENT METAL.—This
article was at first sold under the name of Galvaniesed The Plates, but the patentees

of the but the article, is some instances, overfooking the word The, confounded the ararticle was at first sold under the name of Galvanised Tin Plates, but the pat finding that the public, in some instances, overlooking the word Tin, confounded it citied with Galvanised Iron, and that the character of their metal has thereby sus injury, are desirous of giving it a name so distinctive as to provent such mistake consequent disappointment to purchasers, in future. They, therefore, respectfu quest purchasers to inquire for Morewood and Roger's Patent Metal. In order to the public readily and at first sight to distinguish between the two metals, it may the

quest purchasers to inquire as the control of the public readily and at first sight to distinguish between the two man the public readily and at first sight to distinguish between the two man to inform them, that Galvanised Iron has a plain time-like appearance, Patent Motal has a smooth crystalline aurface.

MOREWOOD AND ROGGER'S PATENT METAL.

Patronised by the Admiralty and the Honourable Board of Ordnace, used in her Majesty's Dockyards, at the Tower, the extensive new first of the Liverpool Docks, and elsewhere, for every variety of roofing, as where a strong, light, cheap, and durable material is required.

The has been found by experience, that this article is beyond all companies; possessing, as it does, all the advantages arising from the streng Iron, combined with perfect immunity from rust; whilst it is free from objection which supplies to since-vis., its contraction and expansion, concluding of temperature, and from which circumstance lackage must of.

This material is not likely to be destroyed by fire, as is the case we which melt and run down, thus freely admitting fresh air to the fire, burn more fercely. It is, therefore, obviously well adapted for all the named, and most importantly so, when there is the possibility of fire lairly suitable for chimmey-tong, quitres, specifing, and ont-door work ing the strength of iron, without its liability to corrosion. It is by far the metal roofing that can be obtained, in consequence of its strength, as if out boards, and upon the lightest ratters.

This mode of preserving metal from rust does not only spirly to she manufactured iron in any form, as holts, must, hinges, sails, &c., &c., For full particulars apply to S. Holland, 34, Gracechurch-stres.

Transactions of Scientific Bodies.

MRETINGS IN THE ENSUING WEEK. of Li

ON ATMOSPHERIC RAILWAYS.

ON ATMOSPHERIC RAILWAYS.

At the usual weekly meeting of the Society of Arts, on Wednesday last, the following highly interesting paper on Pilbrow's Atmospheric Railway without a valve was read by Dr. J. G. Hewlett. There was a very large attendance both of members and their friends, including some eminent gentlemen both in the scientific and literary world; among others, we noticed the Earl of Essex, A. White, Esq., G. B. Bolton, Esq., and other distinguished visitors. In the course of the evening, it was mentioned that his Royal Highness Prince Albert, having had an opportunity of witnessing the invention at the Marquis of Northampton's soirée, on Saturday fortnight, expressed his unqualified approbation, and even admiration, of it, entering into the most minute details, and informing himself of every particular connected with the discovery. We learn, also, that Sir Robert Peel has, after a careful inquiry into its principles and merits, evinced the liveliest interest in its ultimate success.

ing the invention as one amountained approbation, and even admiration, of it, entering into the most minute details, and informing himself of every particular contexted him inputs into its principles and merila, evinced the invention of the context of the inputs into its principles and merila, evinced the invention is its ultimate success.

"In no subject, is an active, energetic, and commercial people more deeply interested than in the means for soft and expeditions intercommunication; and, as the context of t

he made experiments with this and failed, from the impossibility, explicitly says one, of making the continuous communication from the inside of the pipe to the carriage, tight enough to allow a useful degree of rarefaction to be produced; Mr. Pinkus, however, says he was well informed that Mr. Medhurst never made a single experiment. The suggestion of that mode of railway transit appears to be fairly due to Mr. Medhurst; the important step of creating a vacuum before the piston belongs to Mr. Valance, while the further improvement of attaching the piston to an external carriage is disputed by Mr. Medhurst and Mr. Pinkus; Mr. Medhurst; pamphlet is certainly the first publication, while Mr. Pinkus quotes ne evidence as to his own claims. On the 1st of March, 1834, Mr. Pinkus brought out his first patent; and in this he proposed as a valve, one in the form of a cord or rope, and which he calls a valvular cord. Mr. Pinkus states that in 1830 he had again prepared fresh plans and specifications, such as are now enrolled, and that he had exhibited them to his friends, and in 1833 commenced his patent. In 1834 he constructed a large working model, which was publicly exhibited in Wigmore-street; according to the Samuda advocates, the experiments were a complete failure; but in 1836 an association was formed for working under Mr. Pinkus's principle, and contracts were made for works, to demonstrate the principle. In 1836 Mr. Pinkus cook out another potent for this country, with improvements, and also for foreign countries; in this the valve was formed of iron plates, secured to felt, to lay against pieces of wood, which he proposes to fix to the inner sides of the trough, as presenting a smoother surface than cast-iron; he also described a spring copper valve, fastened at its foot to the pipe, and meeting at the top, in

the shape of an inverted V. The agreeous was then called the passwaration getterm and excited a good deal of attention, and much controversy. At this period works were designed to be applied on the Wed London Ballaburg W Wormwood School and the control of the control of the state of the sta

repription of the Clegg and Samuda atmospheric railway. Did time allow, we inglit also notice a similar plan by M. Hallette, of Arras. We come now to notice the invention by Mr. Pibrow, Cl., for which a patent has been taken out. Now, this invention does not appear to be, like many side of the production of the clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or what have Clegg and Samuda's patent differs from Pinkus's, &c., or w

train and the propulsion piston is direct; in the latter it is indirect, a third medium being employed. Another important distinction is that the Samuda system has the propulsion tube aboverround, and has insuperable difficulties in crossing roads, and in intersecting other lines; the Pilbrow invention placing the tabe below the surface, gets rid of silthe objections in regard to crossing and diverging lines from the main trunk. The continuous valve of the Samuda plan must necessarily occasion much leakage, while the Pilbrow plan, dispensing with the valve altogether, no leakage from that cause canpossibly arise. The leakage of Samuda's plan is equal to 5-herse power per mile, but Pilbrew's suly 2½-kerse power during the whole time of working every ten miles in the Samuda plan requires an exhausting engine at short intervals of about two miles and half; the Pilbrow plan as to worked with only one engine at the interval of ten miles. The Samuda plan is remarkably complex, and, therefore, may be subject to frequent interruptions for repairs. As M. Arago inquires—"Can we hope for future success from a system, into which enters, as principal agents, a strip of leather of immense length, a composition of wax and tailow, and a hot from to dissolve the wax?" Now, the Pilbrow plan is remarkable for its simplicity, and the fewness of agents employed. It is much to be lamented that the Pilbrow plan has been attacked, and difficulties accibed to it, for which no grounds whatever exist—difficulties which have no existence whetever, but in the imagination of the objector. Even these imagined difficulties must be frankly met, such as "the fine ground metallic surfaces of the wheels soon being injured;" the friction and wear of the spindles by dust;" but the most formidable objection was stated against the use of cogs—that great speed would certainly break or strip the cogs. Now, the inventor has stated in his pamphlet, and in this room (Jansary 8), that you may dispanse with the cogs, and make use of adhesion, or a combinati

X THE ATMOSPHERIC SYSTEM.

THE ATMOSPHERIC SYSTEM.

The interest in the issue of this discovery is gaining ground daily, and we anticipate that, before long, its merits will be satisfactorily tested and decided. The mention made of it by the Board of Trade in two separate notifications, has attracted the attention of the public and Parliament. The first allusion was in the report on the Newcastle and Berwick Railways, when the Board stated, "It was impossible not to feel the highest interest in the progress of an experiment, where success hitherto has been sufficient to induce eminent authorities to entertain strong lopes that the result may be an eccleration of speed in travelling, combined with the general introduction of a system of very frequent trains and low fare." In the same report they said, that in a mechanical point of view, the experiment at Balkey might be considered as "conclusive of the success of the atmospheric system," and that it demonstrated "that trains may be propelled by means of it at high velocities, with asfety and convenience to the public," and that "the same result may be obtained when the separate consecutive portions of line are multiplied indefinitely." But then, they added, that "in a practical and commercial point of view,"—vis: that of expense, "they cannot yet assume, in forming a judgment upon competing schemes, the success of the atmospheric system. The patentiese, feeling aggrieved at this qualified approbation, and foreseeing that finit praise might prove as injurious as nore decided hostility, petitioned Parliament for the appointment of a select committee to enquire into the merits of the system. The discussion that was elicited by this application must have been important and highly gratifying to the inventors.—Lord Howick stated, that, he believed the atmospheric system as superior to the existing railroads, as those railroads were to the old tumplic roads. This language is strong; but scarcely more so than the subsequent avowal of the Premier.—"Left it be understood (said Sirk Peel) that my in The interest in the issue of this discovery is gaining ground daily, and we inticipate that, before long, its merits will be satisfactorily tested and decided.

ON COMPACT ALUMNUM.—Prof. Wohler read a paper on this subject at the Royal Society. The author has lately found, contrary to the results of his former researches on aluminum, that this metal is readily fusible, and that in its reduction from the chloride of potassium it presents itself in the form of fused globules, generally so small that their shape is not distinguished under the microscope, although occasionally they are met with having a sensible diameter. He effects the reduction at once in a clay crucible, the bottom of which he covers with pellets of pure potassium, and places upon these the chloride of ammonium, covering the whole with chloride of potassium in powder. The crucible being then closed up, and heated in a coal fire, the reduction is instantly effected. Fused aluminum has the colour and lustre of polished tin; it continues perfectly white in the air; it is malleable, and the globules may be beaten out into the thimnest plates without cracking at the edges; it is entirely unmagnetic. In other respects, the metal in this compact state has the properties which the author formerly ascribed to it.

Miniature Steam Engine.—An ingenious watchmaker and jewellet, at

magnetic. In other respects, the metal in this compact state has the properties which the author formerly ascribed to it.

MINIATURE STEAM ENOISE.—An ingenious watchmaker and jeweller, at the Royal Polytechnic Institution, has just completed the model of a high-pressure steam-engine, so made that it stands on a four-penny piece with ground to spare. It is the most curious specimen of minute workmanship ever seen; each part being made according to scale, and the whole occupying so small a space, that, with the exception of the fly-wheel, it may be covered with a thinable. It is not simply a model outwardly—it works with the greatest activity by means of atmospheric pressure (in lieu of steam); and the motion of the little thing, as its parts are seen labouring and heaving under the first influence, is indescribably curious and beautiful. Some months have been expended upon the structure of this lilliputian engine by Mr. Warner, and the difficulty of the undertaking may be easily considered, when it is remembered how minute the valves and pistons, sockets, screws, and hidden apparatus must be, and how accurately they must have been mended and litted to insure unbroken functional motion. It is altogether a very pretty toy, and an extraordinary instance of what patience, perseverance, and expert artizanship can accomplish. But Mr. Warner is a practised hand at such curiosities. His case abounds in articles manufactured for elfin use. He has scissor's so minute that some hundreds go to an ounce, and there are knives belonging to the same family, which are made as they open to shut with a smart click. Quantities of other things are there of a like kind, made with the greatest neatness, requiring eyes of microscopic clearness to ascertain their full perfection. Mr. Warner, we should imagine, works exclusively for the fairies; no doubt he is entitled, by letters patent, to wear Oberon's arms over the door.

Monster Roye.—Messra Haggie Brothers, of the Patent Ropery, South Shore, Gateshead, have just completed a rope fo

tie im in

varative Observations of the Mines of Mexico with those of Chili, relative ir qualities and their advantages, according to information furnished for Don Halanto Pulles, Director-General of Public Works to the Republic, at present on a special commission in Europe.

There has been formed in England, a great renown of the mines of Mexico, in consequence of companies having been organised for some years, but not because they have given a favourable result up to the pre-

years, but not because they have given a favourable result up to the present moment, and without having the slightest probability that they ever will produce a lucrative return, for the following reasons:—

1. That when these companies were formed in this country, to restore the mines of Mexico which had been abandoned, it being impossible to continue working them, because the metals progressively diminished in richness, and the expenses, on the contrary, augmented in proportion as the water increased—as the mines, it must be known, were inundated.

2. The companies were made to believe that the state of these mines, nearly abandoned, was not in consequence of the above reasons, but only that it was impossible to keep them perfectly dry by the former method adopted, but that, with steam-engines and machinery, the expense would be scarcely perceptible, and that they would be able to recommence drawing up the hidden riches. But they did not let them know that the mines had not been worked in a proper manner—it never having been the custom in the Americas to think of that fatal enemy—the water. In consequence of not having foreseen this inconvenience, as all the mining operations in that country were begun at nearly the same period, and to arrive at this hindrance (which at present is general in all the mines of America), it was necessary to work for a long time before they could discover the evil, and it was only then that they found out the manner they should be worked, by applying at all times machinery to overcome this obstacle.

they should be worked, by applying at all times machinery to overcome this obstacle.

The mines, as already noticed, not being in a fit state to receive any class of machines, it then became necessary to undertake the sinking of fresh wells at an enormous expense, so as to form new communications, and to unite the waters at the same point, to chable the machines to have sufficient element to work in.

All this was obtained at a great outlay, and the companies began to restore the old mines, of great renown! because in ancient times they were reported to have been very productive; for which very reason they ought not to have considered them good, as it is well known that those of former times which had been worked no longer existed; and now that they are able to extract all their richness, they find that these reports have proved false, which has been the fatal ruin of the companies. What has been said is to prove to the world, that no one should ever undertake (no matter how promising the aspect and great the illusion) the working of old mines buried in water—and with another great imperfection, that these mines had never been constructed to render them adapted to machinery; and finally, those that were of great renown for their vast riches, having yielded very large capitals, for the same reason of being thus exhausted, have proved a failure.

I will now explainthe manner in which companies should be formed, the class of works they check in weder they reality of the results and the

old mines buried in water—and with another great imperfection, that these mines had never been constructed to render them adapted to machinery; and finally, those that were of great renown for their vast riches, having yielded very large capitals, for the same reason of being thus exhausted, have proved a failure.

I will now explaint the manner in which companies should be formed, the class of works they should undertake, the reality of the results, and the certainty of an advantageous return—All companies that may form themselves with the object of undertaking mining operations should observe, as a maxim, that they should never contemplate the renewing the working of mines that have already been worked, for the above reasons; because, in South America the working is nothing in companies with the object of speculating in mining pursuits, ought first of all to fix the point to which they have the intention of directing their operations, according to the most correct and favourable information they may have received. They should commission well practiced persons of the country, assisted with others who enjoy the perfect confidence of the country, assisted with others who enjoy the perfect confidence of the country, assisted with others who enjoy the perfect confidence of the country, assisted with others who enjoy the perfect confidence of the country, assisted with others who enjoy the perfect confidence of the country, sasted with others who enjoy the perfect confidence of the country, assisted with others who enjoy the perfect confidence of the company at home, with precise instructions to explore that part, and that such rescarch should be followed up until they discover some rich mines, which, from the superficies of the certain to find how its inward and valuable resources. This work would not be very long, and not exceed four or five months, which would be sufficient time to discover some bright and the expenses when the followed his perfect of the contract of the perfect of the contract of the contract o

contact to him a special commission, both scientine and manstrous, when was given to him signed by the President, dated, the 11th of Diocmber, 1843, authorising him to try the best means of overcoming all the difficulties that may effect useful enterprises for his country. This engineer having been for a long time as head director of the mines, and in researches in different parts of America, Bolivia, Peru, and Chili; and having a large practice in all mineral undertakings, as well as a most profound, theoretical, and practical knowledge, he has been welcomed and distinguished by some of our most respectable societies, by electing him one of their members, among whom may be named the Royal Geographical Society, the Royal Agricultural Society, the Royal Society of Arts, &c.; all these demonstrations have made him ever grateful to the English nation, and his accomplishments being as stated, he will do eyerything in his power, out of gratitude for these marks of favour, in confirming the veracity of the observations made for undertaking extensive explorations, for the purpose of discovering the mineral veins of Chili. Having at their head an intelligent and trustworthy person, such an enterprise can be accomplished with a great certainty; and, after making discoveries, works can then be commenced for the purpose of mining operations.

[To be continued in next week's Journal.]

Proceedings of Public Companies.

MEETINGS IN THE ENSUING WEEK.
ada Company, at One.
and Endowment Society, at Two—British American Land Co., at Two.
and Association, at Two.—Horsebridge Mining Co., at One.

CARN BREA MINING COMPANY.

CARN BREA MINING COMPANY.

The annual meeting of the shareholders of this company was held at the offices, Broad-street-buildings, on Wedneday, the 19th instant.—Mr. Harnson (in the temporary absence of the chairman, Mr. Vigers) presided.

The Secretary (Mr. Macdonnell) having read the minutes of the last meeting, submitted the following report and balance-sheet for the approval of the shareholders:—

The committee have had a statement of the receipts and expenditure of the year 1844 prepared for the meeting, which exhibits a balance of 4150. 19s. 6d. in favour of the concern. The committee beg leave to refer the shareholders to the letter just received from Captain Lyle, giving a very pleasing account of the state and prospects of the mine. With regard to the promise made to the shareholders at the meeting of last year, to present for their sanction a revised set of rules and regulations, the Joint-Stock Companies' Act, passed very soon after, raised so many doubts as to the propriety of their attempting the task, that they have not proceeded in it. There are two vecancies in the committee—one caused by the decease of the late Mr. George Barker, and another by the disqualification of Mr. Francis Mowatt. Mr. James Aiston and Mr. John Macdonnell have given notice, that they mean to offer themselves to fill those vecancies. The committee of management, upon a review of their resources, have determined, in addition to the dividend just paid, to declare another of the like amount of 2t. a share, payable the 21st proximo.

Receipts and Expenditure for the year ending December, 1844.

1	Receipts and Exp	enditu	re_	for	the year endin	ig December, 18	544.		
	1844. RECEIPTS.				1844.	EXPENDITURE.			
9	Jan. 1-Balance in hand	£7373	- 1	5	JanCost at	the mine	£3501	2	9
ı	Jan Sale of copper ores	3609		7	FebDitto	dltto			5
4	Feb Ditto ditto	2512	8	11	MarDitto	ditto	3473		4
ı	MarDitto ditto	2933	6	3	April-Ditto	ditto			9
1	April-Ditto ditto			4	May-Ditto	ditto	3085	3	6
1	May-Ditto ditto	2752			June-Ditto	ditto	3484	14	11
ı	June Ditto ditto	2338	0	11	July-Ditto	ditto	3373	17	4
1	July-Ditto ditto	3169		7	Aug Ditto	ditto		6	8
1	AugDitto ditte	2515	8	3	Sept.—Ditto	ditto		7	0
1	SeptDitto ditto	2570	14	10	Oct.—Ditto	ditto	2815	- 5	9
1	Oct Ditto ditto	3479	9	9	NovDitto	ditto		0	3
1	NovDitto ditto	2552		6	DecDitto	ditto	3359	1	8
1	DecDitto ditto	3193	18			*** *** *** *** **	1457	16	7
1	Ditto of tin ores	8693	17	5		tax	407	0	6
ı	Ditto of arsenic	306	1	- 5	Office e	expenses	367	14	0
I	Ditto old stores	248	7	2		ittee of manage-			
ı	The second second				ment	to March, 1844	100	0	0
ı					Discou	nts	36	8	1
ł					Law ex	penses	94	2	0
ı	production of the contract of					lends:-			
ı						April 25	2000	0	0
ı						Aug. 15	2000	0	0
1					1845—	Feb. 12	2000	0	0
1					Balance	B	4150	19	6

Total£51,609 18 0 Total£51,609 18

of the outgoing directors, who, by the rules of the company, were required to retine, nor of the parties recommended by the board to be elected.

Mr. Forren believed that the fault lay in there being no rules whereby the company might be governed: such regulations ought originally to have been framed, but in trying to avoid the necessity of a dead, in accordance with the Joint Stock Company's Act, they had rendered themselves wholly unrestricted by any bye-laws whatever. He would wish to be informed, with respect to the very small balance accruing to the company on the last year, whether it arose from the products of the mine being less, or the expenses more than usual?—Mr. Vioens explained, that considerable expense had been occasioned the company, by some transactions arising out of a dispute between them and the Tincroft Company. One portion of the Carn Brea Mine, adjoining the Tincroft, was unwatered, and the latter, being similarly situated, a difference arose as to which party should bear the expense of draining. The matter was left to the arbitration of Captains Joseph Vivian and Treveath: they decided that neither party should pay the other; but, notwithstanding that the Tincroft had agreed to abide by the adjudication of the arbitrators, they erected works and demanded 161. a month for draining the Carn Brea Mine. This, the latter refused, and drove a level to drain their mine by their own engine, which, of course, put them to a considerable expense; but this temporary disadvantage would be more than compensated by an increase in the product of the tin. This had been the chief cause of the small profit presented by the balance-sheet; the expenditure, in other respects, having been rather diminished. A slight addition had been occasioned by a better supervision

ing procured, which had, however, created a great benefit to the company, the item of stores, &c.

being procured, which had, however, created a great benefit to the company, in the item of stores, &c.

The Secretary observed, that in the two years preceding 1844 the expenses of the company were 87,000L, while, in this year, the cost had not exceeded 39,000L—Mr. Saunders would again press the subject of Mr. Macdonanic property of the company and nothing about directors, it seemed rather anomalous for the company and nothing about directors, it seemed rather anomalous for the office of director and secretary to be united. He should wish something explicit to be stated respecting this appointment, as in the event of the duties not being amalgamated, it would be necessary to elect another gentleman as secretary.—Mr. Vigers thought it better, in the absence of any specific rule, to leave the matter in the hands of the managing committee, who would see that the interests of the shareholders were properly consulted and protected.

The Soluctron (Mr. Squance) would take the opportunity of explaining the position of the company; they must either be a body of shareholders with undefined laws, with unntelligible rules, confiding implicitly in the wisdom and integrity of the directors, or else they must submit to come in under the terms of a deed of co-partnership, in which case they would be under the supervision of the Board of Trade. Such was the position they were placed in by the late Joint-Stock Company's Act. They must either remain on the cost-book system, or else have a Deed of Settlement, and, be subject to the surveillance of the Government—between the two they must make their choics.

The Chairman observed that they had virtually, though not nominally, regulations to direct them, and the board would always feel themselves bound by them, so far as they were conducive to the prosperity of the concern.

Mr. Vigers than where to Mr. Foster assured the meeting that the prospects of the mine were, on the whole, more promising this, than the last year; he had taken the opinion of several unprejudiced parties, comp

he had taken the opinion of several unpreguence pursue, compresses by monnecupon their position, and they were unanimous in confirming his own sanguine anticipations.—The report was then received, and ordered to be printed with the accounts and Mr. Lyle's letter; and Mesers. Macdonnell and Alston being eleyted directors, the meeting separated.

SOUTH-EASTERN RAILWAY.

The half-yearly meeting of this company was held at the London-bridge Station, on Tuesday, the 18th inst.—Sir Journ Kirklands took the chair.

Mr. Gilbertraos asked the cause of the delay in delivering the reports to the proprietors.—The CLAIRMAN said it arose through the chief accountant being subpeaned to Maidstone with the books of the company, which had hindered their getting the accounts ready before the previous night.

A Proprietor wished to know if any shareholder could inspect the register and the number of shares—The CLAIRMAN regretted the absence of the solicition at the House of Commons, who could best answer this question. He had, however, so hesitation in saying, that such information would be given to any one on his individual application.

A PROPRIETOR wished application.

The such as the such as the such information would be given to any one on his individual application.

The such as the such as the such information using 18th January to be 133,0422. 11s. 24s, while the expenditure amounted to 69,2886. 6s. 2d. Of these expenses, so large a proportion as 28,3493. 15s. 2d. was disbursed by the joint locomotive committee, composed of equal numbers of Brighton, Croydon, and South-Eastern directors; the whole disbursements of that committee amounted to 47,879. 8s. 7d., of which the above proportion was charged to the South-Eastern Company, 14,895. 19s. 11d. to the Brighton Company, and 49384. 11s. 6d. to the Croydon Company. A mixed authority and divided control of this nature is obviously undesirable, more especially when excreised over so important a branch as the locomotive establishment; the directors have, where the subject o

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CONTRACTS FOR WORKS.—CHESTER AND
HOLYHEAD RAILWAY.—The directors will meet at the company's offices, 62,
Moorgate-street, London, on Monday, the 28th of April, at Two o'clock, to enter into
CONTRACTS for the CONSTRUCTION of the following divisions of the RAILWAY:—
CONTRACT, No. 3.—Commencing in parish of Rhyddian, county of Flint, and termimating in parish of Llandrillo yn Rhos, county of Carnarvun—a distance of nine miles, or
thereaboust.

hereabouts.

CONTRACT, No. 4.—Commencing at the termination of the foregoing contract, and reminating on the slope of the embankment of the turnpike-road approaching Conway-ridge, parish of Lianchos, county of Carnarvon—a distance of five and three-quarten tiles, or the restouts.

miles, or thereatouts.

Drawings and specifications, together with general conditions and draft of contract required to be entered into, will be ready for inspection at the engineer's office, London and Birmingham Raflway Station, Camden Town, on Tuesday, the 25th March Inst., where rarties intending to tender are requested to be in attendance at Twelve o'clock at noon on that day, to elect a proper person to take out the quantities, in the usual way. Tenders to be delivered to the secretary by Two o'clock on Monday, the 25th April, and parties tendering, or their authorised agents, to be in attendance.

The directors do not bind themselves to accept the lowest tender.

By order, GEORGE KING, Secretary.

62, Moorgate-street, London, March 12, 1845.

DIRECT NORTHERN RAILWAY.—The committee of the DIRECUT NORTHERN RAILWAY.—The committee of the Direct Northega Railway beg to Inform their shareholders, that, in consequence of the unfounded allegations which they understand are disseminated by the opponents of this line respecting its position before the Standing Orders Committee, and particularly the assertion lately put forth by certain organs of the press, that the line of the Direct Northern, as compared with that of the London and York Railway, and tested by its own datum line, is wrong in its levels to the extent of about fifty feet, they have thought it their duty to submit this allegation to a competent investigation. Having obtained the assistance of Mr. Miller, the able engineer, whose unimpeachable testimony settled in the most satisfactory manner the analogous allegation respecting the swing bridges across the Don navigation, they have now the pleasure to lay before their shareholders and the public the following certificate from that gentleman:

public the following certificate from that gentleman:

To the Provisional Committee of the Direct Northern Railway.

Gentlemen,—I have had my attention directed to an article in Herapath's Railway and Commercial Journal, of the 23d of February last, headed "Direct Northern Railway—Great Error in the Sections," and I have examined the section of the Direct Northern Railway between Lincoln and York, and compared it with other sections through the same district of country, and I find that, so far as this comparison would guide me, in regard to that portion of the line at least, the allegation, "There must, therefore, be an error somewhere about this amount (31f feet)," is not correct.

I am, Gentlemen, your most obedient,

J. MILLER.

(Signed) J. MILLER. WILLIAM AMSINCK, Secretary. -street, March 17, 1845. By order of the committee, W. Direct Northern Railway Company, 64, Moorgate-st

L OUVAIN AND JEMEPPE (SUR SAMBRE) RAILWAY.—
Capital 19,250,000 fr. (£770,000 sterling), in shares of 500 fr. (£20 sterling) each
Deposit 50 fr. (£2 sterling) per share.

PROVISIONAL COMMITTEE.

PROVISIONAL COMMITTEE.

IN LONDON.

John Barnes, Esq., of Chorley Wood House, Herts.

John Castendieck, Esq., Lewisham.

Edward Sherman, Esq., St. Martin's-le-Grand.

Henry Lewis Smale, Esq., Willoughby House, Tottenham.

Samuel James Capper, Esq., Leyton, Essex.

M. Le Baron de Beeckman, Membre du Conseil, Provincial.

M. Le Comte d'Auxy de Waton, Senateur, Brussels.

M. Adolphe Bosquet, Avocat à la Cour de Cassation, ditto.

M. Castillon, Ingénieur, Ancien Eleve de l'Ecole Polytechnique.

M. J. B. Gendebien, Proprietaire de Mines de Houille.

M. Adolphe Bosquet, Avocat a in Cour de Cassation, ditto.

M. Catallion, Ingénieur, Ancien Eleve de l'Eccie Polyceinique.

M. J. B. Gendellen, Francische de l'Eccie Polyceinique.

Mr. E. K. Randell, 23, Birchin-lane, London.

The proposed Lander of Lander

The works of the entire rainay to be compared to the provided for in the concession.

Should the concession not be sanctioned by the Belgian Chambers (a most remote contingency), the deposit of 50 fr. (£2) will be returned, but without interest.

When the full amount of subscription shall be paid up, the holders of stock will be entitled to receive, upon demand, a certificate, payable to bearer, which will pass without transfer, and possess the facilities of an Exchequer Bill.

From the date of the concession, and during the progress of the work, the shares will bear interest at 4 per cent. per annum on the amount paid up, which is provided for in the above estimate.

e estimate.

rectors will be invested with power to add to their number, and will appoint a
nding resident English director, or manager, in Belgium, to treat with the Bel-

gian Government in regard to the constitution, statutes, and conditions for establishing the company, and generally to enter into, and conclude all treaties and arrangements which may be considered advisable for carrying the scheme into effect.

After the opening of the entire line, the annual profits of the company will be thus appropriated:—5 per cent. taken as a first charge will be paid to the shareholders upon the amount paid upon their shares, and † per cent. as a sinking fund, to be invested by the directors in English Government securities. The surplus will be apportioned as follows—viz.: Nine-tenths to the shareholders, one-tenth to the concessionist and directors. This prospectus is provisional, and upon condition that the plane, estimates, and traite tables hereinbefore referred to, and upon which it has been based, shall be verified by an English engineer and traffic takers, to be selected by the English portion of the directors, but at the expense of M. Tarte, the projector and concessionist.

Applications for shares, plans, and prospectuses, to be made to the solicitor, Mr. E. K. Raadell, or to the provisional committee, at their temporary offices, 23, Birchin-lane, London.

FORM OF APPLICATION FOR SHARES

FORM OF APPLICATION FOR SHARES.

RMAGH, COLERAINE, AND PORTRUSH RAILWAY COMPANY.—Notice is hereby given, that the OFFICES of the COMPANY, have REMOVED to 28, THREADNEEDLE-STREET.—March 20.

ONDON, SALISBURY, AND YEOVIL JUNCTION

Capital £1,500,000, in 30,000 shares, of £50 each Provisionally Registered.

Provisionally Registered.

PROVISIONAL COMMITTEE.

William Scott Binny, Esq., Bryanstone-square.

William Sprott Boyd, Esq., Cleveland-row.

John Chapman, Esq., Blackheath-park.

The Chisholm, Chapel-street, Grosvenor-place.

James Farquhar, Esq., Blackheath.

Hon. W. E. Fitzmaurice, M.P., Chesham-street.

J. J. Kinloch, Esq., Gloucester-road, Hyde-park.

John Lawrie, Esq., Charles-street, St. James's-square.

James Ramssy, Esq., Busbey House, Hertz.

(With power to add to their number).

ENGINEESS—Sir John Rennie, F.E.S., and Francis Giles, Esq., C.E.

BANKEES—The Union Bank of London.

ENGINEERS—Sir John Rennie, F.R.S., and Francis units, E.S., C.E.

BANKERS—The Union Bank of London.

Solicitors—Messrs. Johnston, Farquhar, and Leech, 65, Moorgate-street, London.

Parliamentary Agents—Messrs. G. and T. W. Websier, No. 26, Great George-street,

Westminister.

*Secretary—Lewis Crombie, Esq.

"SECRETARY—Lewis Crombie, Esq.
This railway will establish a most destrable line of communication between LONDON, SALISBURY, YEOVIL, and the WEST OF ENGLAND, traversing in its course many wealthy, populous, and important districts.
Commencing at or near Basingstoke, it will proceed by Whitchurch, Andover, and Salisbury, to Yeovil, by which means the connection between the East and West Coasts of England will be complete.

of England will be complete.
The leading feature of the undertaking is, that, by using the line of the South-Western The leading feature of the undertaking is, that, by using the line of the South-Western Salivary from London to Basingstoke, it will bring Salisbury and Yeovil into an entirely litrect line of communication with the metropolis. In connection with the projected line from Exeter to Yeovil, this line will form the hortest and most direct communication between London and Exeter, and a saving in listance of thirty miles will be effected.
The distance from London to Salisbury will be about 80 miles, and to Yeovil 120 miles, and to Exeter 165 miles, und to Exeter 165 miles.

The distance from London to Salisbury will be about 80 miles, and to Ycovil 120 miles, and to Exeter 185 miles.

A reference to the map issued will manifestly prove that few railways in the kingdom will form a medium of communication with a greater aggregate of wealthy, populous, and important places. By it Salisbury, Sherborne, Feoril, Bath and Bristol, Bradford, Troutoridge, Frome, Guildford, Farnham, Basingstoke, Whitchurch, Andorer, Wephill, with its extensive Feir, Shaftesbury, Milborne Port, Stalbridge, and Richester, with the numerous smaller towns and villages in their vicinity, will be brought into immediate connection with each other, rendering the undertaking eminently calculated to promote the convenience of the public, and certain to yield a large return to its proprietors.

The country to be traversed will, as has been ascertained from actual surveys, admit of the construction of the railway at a moderate cost. The length of line to be constructed will be about seventy-five miles.

Application to be made for shares to the provisional committee, or to Lewis Crombie, Esq., secretary, at the company's offices, 63, Moorgate-street, London, or to the undermentioned brokers:—

Mr. Anthony Laurie, Liverpool: Mr. Isaac Miller Liverpool. Mr. Mr. Mr. Mr. Anthony Laurie, Liverpool: Mr. Isaac Miller Liverpool.

mentioned brokers:—
Mr. Anthony Laurie, Liverpool; Mr. Isaac Miller, Liverpool; Mr. May, Liverpool; Mr. Parsons, Liverpool; Mr. Sandy and Staniforth, 11, Manor-street, Hull; Mr. S. Grindrod, Manchester; Messrs. Cardwell and Co., Manchester; Messrs. Watson and Co., Bradfort; Luke Arnold, Bristol; George Edwards, Bristol; Thomas Sanford, Exeter; G. R. Gilddon, Exeter; Robert Allan, Edinburgh; McEwen and Auld, Glasgow; William Gordon, Aberdeen; Boyle, Low, Pim, and Co., Dublin; Bruce and Symes, Dublin—of whom plans and prospectuses may be had.

FORM OF APPLICATION FOR SHARES.

deen; Boyle, Low, Pin, and Co., Panna Prospectuses may be had.

FORM OF APPLICATION FOR SHARES.

To the Provisional Committee of the London, Salisbury, and Yeovil Junction Railway.

Gentlemen,—I request that you will allot me shares, of £50 each, in the proposed London, Salisbury, and Yeovil Junction Railway; and I undertake to pay the deposit and sign the necessary deeds.

Dated this Residence

Trade or Profession

Reference

ONDON, SALISBURY, AND YEOVIL JUNCTION RAILWAY, 63, Moorgate-street, London, March 19, 1845.—Notice is hereby given, that the provisional committee of this company have determined to abandon the portion

that the provisional committee or this companies that the capital will, successful of the line from Rejon, 62,000,000.

NO APPLICATIONS for SHARES will be received after MONDAY, the 31st inst., and those parties who have previously to this date applied for shares, and who may not approve of the alterations above-mentioned, are requested to withdraw their applications as soon as possible.

By order of the committee,

L. CROMBIE, Secretary.

BIRMINGHAM AND OXFORD JUNCTION RAILWAY, WITH A BRANCH TO STRATFORD-ON-AVON.

BIRMINGHAM AND OXFORD JUNCTION RAILWAY,
WITH A BRANCH TO STRATEORD-ON-AVON.

Capital £20,000, in shares of £20 each.—Deposit £2 per share.

Provisionally Registered, pursuant to the Act 7 and 8 Victoria, cap. 110.

FROVISIONAL COMMITTEE.

J. T. Alston, Esq., Liverpool
W. C. Alston, Esq., Liverpool
F. P. Barlow, Esq., London
Colonel Charles Oldfield Bowles, North Aston Park
W. E. Boyes, Esq., Alkerton, near Banbury
John Crosthwaite, Esq., Liverpool
Bobertson Gladstone, Esq., Liverpool
J. Gardiner, Esq., Southam
Thomas Guilliver, Esq., Eloxham, near Banbury
J. Haddon, Esq., Leamington
Charles Lawrence, Esq., Sloxham, near Banbury
J. Haddon, Esq., Leamington
Charles Lawrence, Esq., Liverpool
John Lechmere, Esq., Steeple Aston
William Marshall, Esq., Husbands Bosworth, Lelcestershire
William Marshall, Esq., Marbands Bosworth, Lelcestershire
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William Marshall, Esq., Marbands Bosworth, Lelcestershire
William Marshall, Esq., Husbands Bosworth, Lelcestershire
William Marshall, Esq., Bellbroughton, Branchestershire
William Marshall, Esq., Leamington
George Walker, Esq., Bellbroughton, near Stourbridge
Major-General Smith, Rugby
T. H. Thorne, Esq., Leamington
George Walker, Esq., Bellbroughton, near Stourbridge
Major-General

Mesers, W. O. and W. Hunt, 10, Whitehall, London.

Mesers, Clay and Swift, Liverpool.

The object of this undertaking is to establish the most direct and efficient railway communication that can be formed between Birmingham and Oxford, connecting, by the shortest possible route, the whole of the Lancashire manufacturing districts and sea-ports with the south of England, and its long line of coast in the British Channel. The existing lines afford but a very imperfect and circuitous communication through London, and it is singular that the competing lines of railway now before the public do not supply the deficiency, or provide for the objects now contemplated. Under these circumstances, there can be no doubt that this railway will confer essential benefits on the districts through which it is intended to pass, as well as on the commercial and industrious classes of the north, and a very cursory inspection of the map will satisfy the inquirer that the line is so peculiarly altinate as to command an unusually large amount of through traffic, independent of its local resources, which are very great.

It cannot fail to be observed, that the Birmingham and Oxford Junction will save a considerable distance on the route towards the coast, besides furnishing to Warwick and Learnington the most direct railway communication for the traffic between those places and Oxford, Reading, &c., while the chespness of construction and excellence of the gradients, will enable the company to convey passengers and goals at very low rates, such as would not remunerate an expensive line, but which are calculated to afford an ample return for the small capital required for this undertaking.

The railway will commence by a connexion with the Grand Junction Railway at Birmingham, and proceeding in nearly a straight line by Warwick and Leamington, fall into the intended Oxford and Rugby line, near Fenny Compton; the entire distance from Birmingham to Oxford will thus be about sixty-two miles.

The Strafford-on-Avon Dranch will join the main

or trame, whether of passengers, carriages, horses, cattle, or merchandise and minerals. The Provisional Committee, however, promote this measure as one of great radional importance, and do not intend it to be contingent in any degree on the success or failure of the Oxford and Eugly Railway; but they will be guided in the final selection of the line, in the principle of construction, and in the mode of working it, by the evidence which may be adduced during the present session, and by the result of the applications now before Parliament, as far as they may appear consistent with the experience still to be obtained on the relative merits of the systems.

They need only add in conclusion that, if the Oxford and Rugby line is successful, the capital of £500,000 will be ample, as the country has been carefully examined. No ongineering difficulties exist, and there will be no tunnel throughout the line.

The landed interests affected by the proposed railway are very favourable, and the bill will be applied for in the next session of Parliament.

Applications for shares may be made on or before the 29th instant, to the secretary, at the temporary offices of the company, 449, West Strand, London; or to any of the Provisional Committee. References to bankers must be given where the parties applying for shares are not known to any of the Committee of Management.—London, March 15th, 1845.

FORM OF APPLICATION.

FORM OF APPLICATION.

To the Committee of Management of the Birmingham and Oxford Junction Railway Company.

Gentiemen,—I request that you will allot to me
Birmingham and Oxford Junction Railway Company, on the terms and condition of the
prospectua, and I undertake to pay the deposit of \$2 on each share allotted to me, and to
sign the necessary deeds when required.—Dated the

Ame

Place of Abode

Place of Abode

LONDON AND BIRMINGHAM RAILWAY. FURTHER REDUCTIONS OF PASSENGER FARES.
On and after SUNDAY, the TWENTY-THISD DWR., the FARES of PASSENGERS by
the TRAINS between LONDON and BIRMINGHAM, leaving London at Eight o'clock in
the morning, and Birmingham at Twelve o'clock (noon), WILL BE REDUCED from
71s. to 23s. for First Class, and from 18s. to 16s. for Second Class Passengers, and in payportion for intermediate distances.

E. CREED, Secretary.

PILBROW'S ATMOSPHERIC RAILWAY AND CANAL PROPULSION COMPANY.—(Provisionally Registered.)
Capital £120,000, in 12,000 shares, of £10 each.—Deposit £5 per share.

The Most Noble the Marquis of DOURO.
The Right Honourable the Earl of BESBOROUGH.

The Right Honourable the Earl of BESEOROUGH.
DIENETORS.
The Right Honourable the Earl of ESSEX, Chairman.
George Buckley Bolton, Esq.
Caphain Britten.
Lieutenant-Colonel Gillies,
Anthony White, Esq.
RESIDENT DIENETOR—Dr. John Grigg Hewlett.
AUDITOR—Thomas Edwards, Esq.
CONSULTING ENGINEES—James Pillbrow, Esq., C.E.
ACTIME ENGINEES—James Pillbrow, Esq., C.E.
SOLICITORS—Messrs, White and Borrett.
SECRETARY—Charles Collins, Esq.
OFFICES, 6, KING WILLIAM-STREET, LONDON. OFFICES, 6, KING WILLIAM-STREET, LONDON.

51

OFFICES, 6, KING WILLIAM-STREET, LONDON.

The prominent advantages of this system of atmospheric traction are, that the continuous valve is dispensed with—roads are crossed upon a level without interruption of main—one atmospheric railway can be intersected by another, thus saving bridges, approaches, and leakage—and a stationary engine every ten miles is sufficient.

The system combines extreme simplicity with extreme efficiency, and that obtained with a small comparative expense in working and construction.

It is estimated that a saving altogether upon the other plans of atmospheric railways having the continuous valve), will be nearly £3,000 per mile: two mains or lines can, on this plain, be laid for little more than the cost of one, upon the other plan. Increased safety is insured, also obstruction and destruction by weather and other sources are placed beyond probability by the mains being buried, &c.

The objects of the company are to purchase the patentee's right for the United Kingdom, to grant licenses to railway and canal companies to use the invention, or lay down the works under contracts with the different companies; and, in the first place, to procure an experimental line in the neighbourhood of the metropolis, if found desirable.

The source of income is unlimited, and the expenses, with the exception of the purchase of the patents, and laying down the experimental line, must necessarily be merely nominal.

A model, upon a scale of one inch to the foot, may be seen at work on Weingeldays and

nominal.

A model, upon a scale of one inch to the foot, may be seen at work on Wednesdays and Thursdays, between twelve and three o'clock, at the company's offices, by application to the secretary or officers of the company.

FORM OF APPLICATION FOR SHARES ADDRESSED TO THE SECRETARY.

ROYAL NORTH OF SPAIN RAILWAY, FROM THE

FIRST SECTION FROM AVILES TO LEON.

Perposit £2 per share—Reals 200—Francs 50.

FI Conde de Altamira, Duque de Montemar
El Conde de Trastamara.

El Duque de Trastamara.

El Duque de Medinaceli and De Sanistevan
El Duque de Medinaceli and De Sanistevan
El Duque de Veragua, Marquis de la Jamaica.
El Conde de Fontao, President of the Senate
El Marquis de Moral
El Marquis de Albayda
Jose Maria de Orense, Deputy for Palencia
El Duque de Ossuna and Del Infantada, and Conde Duque de Beneventa.
F. de Mazarredo, Feld-Marshia
Manuel de Mazarredo, Cappain-General of Madrid, Ex-Minister of War,
Lieutenant-General Capital £1,100,000, in 55,000 shares, of £20 each—Spanish reals (Veilon) 2000—Fr. 500. Deposit £2 per share—Reals 200—Francs 50.

Manuel de Mazarredo, Captam-General of Madrid, Ex-Minist Lieutenant-General El Duque de la Rocha El Marquis de Alcainices Balbases, Duque de Alburquerque El Duque de San Carlos El Marquis del Castelar El Marquis de Montelvergen, Deputy for Leon A. Bn. de Cela Y Andrade, Deputy for Leon Juan Quinones de Leon

El Marquis de St. Estevan and de St. Cruz Victor de Sierra El Duque de Frias J. de P. Castro J'Orozco, President of the Congress Juan Donos of Cortes, Deputy for Badajos, and Secretary to Her Majesty the Queen of Spain

the Queen of Spain

DIRECTORS IN MADRID.

Don Manuel de Gaviria, Vice-President of the Bank of Isabella II.

Don Jose de Salamanas, Director of the Bank of Isabella II.

Don Jose de Salamanas, Director of the Bank of Isabella II.

Don Henry O'Shea, Bankor

Don J. P. Salgdan Bagarres, Hanker

Don J. P. Salgdan Bagarres, Hanker

Don Jose Maria Varous, Banker, Director of the Bank of Isabella II.

Don Bartolonyi Santa Marca, Agent de Change and Banker

DIRECTORS IN LONDON.

James Cley, Esq.

DIRECTORS IN LONDON.

James Cley, Esq.
George Clive, Esq.
W. R. Collett, Esq., M.P., Chairman of the Chester and Holyhead Rallway
Gideon Colquhoun, Esq., Chairman of the Asturian-Mining Company
W. T. Copeland, Esq., Alderman, M.P.
Charles Cuningham, Esq.
William Jackson, Esq., Chairman of the Chester and Birkenhead Railway.
Sir Hichard Jenkins, 64.03, Director of the East India Company
Richard Kelly, Esq.
Richard Korman, Esq., Director of the Bank of Australasia
Sir William Young, Bart., Director of the East India Company
Sir Johna Walmesley, Liverpool.

BANKESS.

Maskers. Masterman, Peters, Midred, and Co.; the Commercial B. Lothbury, and Henricita-street, Covent-gardon.

Midrid—Bank of San Fernando; the Bank of Isabella II.

Puris—Messirs. Amory, Sewell, and Moores, Throgmorton-st
ENGINERS—J. M. Rendel, Esg.

ASSISTANT ENGINERSS—Messrs. Manby Brothers.

SECRETARY Pro tem.—Thomas S. Cutbill, Esq.

FORM OF APPLICATION.

FORM OF APPLICATION.

To the Directors of the Royal North of Spain Railteay Company.

Gentlemen.—I request you will insert my name as a subscriber for shares, of £20 each, upon the conditions of the prospectus, dated the 14th day of March, 1845; and I hereby undertake to accept the same, or any less number which you may allot to me, to pay the deposit, and sign the required deeds when I shall be called upon to do so.

Dated this day of Name

Residence

Profession or Trade

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ROYAL NORTH OF SPAIN RAILWAY.—Notice is hereby given, that NO APPLICATIONS for SHARES in this company will be received after THIS DAY, Saturday, the 22d inst.

15, New Broad-street, March 18, 1845.

T. S. CUTBILL, Secretary.

GREAT BRITAIN MUTUAL LIFE ASSURANCE,

THE CHISHOLM, Chairman.
WILLIAM MORLEY, Esq., Deputy-Chairman.
GREAT ADVANTAGES OFFERED TO POLICY HOLDERS BY THIS
INSTITUTION.
A large and immediate accession of assurances by the transfer of the policies
Achilles British and Foreign Life Assurance Association."

A large and immediate accession of assurances by the transfer of the policies of the "Achilles British and Foreign Life Assurance Association."
The whole of the PROFITS DIVIDED annually among the MEMBERS, after payment of five annual premiums.

An ample guaranteed capital, in addition to the fund continually accumulating from premiums, fully sufficient to afroid complete security.

CREDIT given to MEMBERS for half the amount of the first five annual premiums without security.

CREDIT allowed to MEMBERS for the whole of the first five annual premiums, on satisfactory security being given for their payment.

Transfers of policies effected and registered (without charge) at the office.

Claims on policies not subject to be litigated or disputed, except with the sanction, in each case, of a general meeting of the members.

An extremely low rate of premium, without participation in the profits, but with the option, at any time within five years, of paying the difference between the reduced rates and the mutual assurance rates, and thus becoming members of the society, and entitled to a full participation in the profits.

Extract from	the Reduced Scale of	Rates, for an assurance	e of £100.
Age.	One Year.	Seven Years.	Whole Life.
20	£1 0 9	£1 1 6	£1 13 11
30	1 2 9	1 3 3	2 2 1
		1 7 6	
		2 1 6	
		3 17 0	6 8 3
Full particulars are det	ailed in the prospec	tus.	
		A, R. IBVINE, 1	danaging Director.
	CHE WILLIAM REPORT DOLLAR	The second residency of the second	

STEAM TO INDIA VIA EGYPT, MALTA, ITALY, ALEXANDRIA, AND THE PENINSULAR PORTS.

PASSAGE TO BOMBAY, MADRAS, AND CALCUTTA.

The Peninsular and Oriental Steam Navigation Company's steam-ships

START FROM SOUTHAMPTON THE FIRST OF EVERY MONTH,
arriving at Alexandria about the 16th. The Hon. East India Company's steamers leav
Sues for Bombay about the 22d of the month, and for Madras and Calcuta the Peninsular and Oriental Steam Navigation Company's steamers, Hindeaden and Bestinch, or Go
vernment steamer. The Peninsular and Oriental Steam Navigation Company have not
a steam-tup on the Mahmoudeh Canal, and other great improvements have lately bee
introduced into the transit through Egypt.

STEAM TO MALTA, ITALY, &c.
amer from Southampton leaves the first of every month for Malta, who
rs to Naples, Genoa, Civeta Vecchia, three times a month.

STEAM TO OPORTO, VIGO, LISBON, CADIZ, AND GIBRALTAR.
A steamer leaves Southampton every Thursday at 3 p.m. for the above places.
Apply at the Peninsular and Oriental Steam Navigation Company's offices, 51, St. Mar.
ac, London, where only passages can be secured throughout. DISS, BECCLES, AND YARMOUTH RAILWAY.

DISS, BECCLES, AND YARMOUTH RAILWAY.

(Registered Provisionally, pursuant to 7 and 8 Victoria, c. 110.)

The Directoria, c. 110.)

Chairman—THOMAS OSBOBNE SPRINGFIELD, Esq., Norwich and London.

William Back, Esq., Stratford St. Mary, Suffolk.

Calverley Richard Bewicke, Esq., Barsham House, Beccles.

William Orry, Esq., London.

William J. Crowfoot, Esq., M.D., Beccles.

Swynfen Jervis, Esq., London.

John M'Rae, Esq., London.

Richard Mann. Esq., Bungay.

Hezekiah Martin, Esq., Yarmouth.

William Richardson, Esq., London.

The directors beg to inform the shareholders in this company, that they have concluded in arrangement with the Eastern Union and Eastern Union Extension Railway Combanies to grant a lease to those companies upon a guaranteed rental of 4 per cent. upon he capital, and an equal division of the surplus profits.

The traffic tables, which have been carefully taken by Mr. Pare, show a net profit of per cent, exclusive of the additional traffic which may be reasonably expected, in acrordance with railway experience.

The traffic tables, which additional traffic which may be reasonable to the additional traffic which may be reasonable to the additional traffic which may be reasonable to the additional traffic which additional traffic which are the authority of the fixed reasonable to the subscript of the fixed realist of the fixed rental of 4 per cent. and configuration to the fixed rental of 4 per cent. and the fixed reasonable traffic which are the without delay.

f the additional profit.

The bill is now before Parliament, and will be proceeded with without delay.

(Signed) SWYNFEN JERVIS, Chairman, pro tem.

Railway Offices, Pancras-lane, March 19, 1845.

RISTOL AND EXETER RAILWAY.—THIRD SHARES

—NOTICE.—Scrip Certificates of THIRD SHARES in this company may be obtained on application, personally or by letter, at this office, after the 26th of March, in exchange for BANK ECCEIPTS for DEFOSITS, with the names in full, and the addresses of the parties entitled to them.

By order of the directors,

Office, Broad-street, Bristol, March 22, 1845.

J. B. BADHAM, Secretary.

PATENT IMPROVEMENTS IN CHRONOMETERS. WATCHES, AND CLOCKS.—E. J. DENT, 82, Strand, and 33, Cockspur-st watch and clock maker, BY APPOINTMENT, to the Queen and his Boyal High Prince Albert, begs to acquaint the public, that the manufacture of his chronome watches, and clocks, is secured by three separate patents, respectively granted in 1840, 1842. Silver lever watches, jewelled in four holes, 6 gs. each; in gold cases, 4.28 to £10 extra. Gold horizontal watches, with gold dials, from 8 gs. to 12 gs. each. DENT'S PATENT DPLIEDOSCOPE, or meridian instrument, is now ready for delivery amphiets containing a description and directions for its use is, each, but to customer gratis

NOTICES TO CORRESPONDENTS.

J. P.—We hope next week to furnish our correspondent with the information he requires respecting the Nouvello Montagne Mines; we have been disappointed in our French communications this week, but do not anticipate any longer delay.

We are unable to give any satisfactory explanation to J. H., who complains not only of the low, but the equivocal, price of the fittymmey Iron shares—ranging sometimes between such figures to leave a questionable margin to wock on; our correspondent attributes this of selection on the part of those contemplating larger investment to keep the price of the

T. H. O. (South Town, Yarmouth).—Some particulars will be published, probably, in next Journal.

We are preparing a history of all the different methods of submerged propelling, and, in order to render the paper as perfect as possible, we should feel obliged by the commu-nications of correspondents on the subject.

We had already received a copy of the report forwarded by W. W.

"Common" pig lead is used for making sheets, pipe, &c. "Refined" ditto white lead.

"Refined" ditto "white lead. Welsh pig-fron is used for castings, as well as for bars, rails, &c. The present price for No. 1 cold-blast is about 61. 10s. in Wales. Ditto "refined metal" is a superior quality of the above, being, we believe, advanced a stage beyond it for making bars, and is usually 5s. to 10s. per ton more than No. 1 cold-blast.

THE MINING JOURNAL Railwan and Commercial Gasette.

LONDON, MARCH 22, 1845.

In our last week's Journal we adverted to the successful working In our last week's Journal we adverted to the successful working of a mine in Cornwall, the lode of which was represented to us as being worth 5000. a fathom, and which we adduced, rather as an exception to the general rule, than with the object of illustrating the profits derivable from Cornish mines at the present time—when they are suffering so severely from the effects of the depreciation in the standard. A highly valued correspondent has, however, directed our attention to the subject, under a mistaken notion, that the remarks made were calculated to mislead, and, perchance, to convey a false impression as to the serious effects which the introduction of foreign ores has produced on our home mines, inasmuch, that with foreign ores has produced on our home mines, inasmuch, that with returns so large, there was but little room for complaint. Our correturns so large, there was but little room for complaint. Our correspondent states that the result of the sales of the ores referred to, incontestibly proves the excess which before existed, from the influx of foreign ores; otherwise, he observes, "it would not have been possible that these ores should have sold at about 11 under the standard of the previous week." We are told, indeed, by the smelters, that there is already more copper manufactured than the market will take, the excess arising from the large quantities of ore brought to this country from Cuba and Chili; and hence, anomalous as it may appear, with the competition which the home miner has to sustain, the very productiveness of our home mines, while it may benefit one set of adventurers, inflicts a serious evil on the many, as tending to increase the supply, and thus further depreciate many, as tending to increase the supply, and thus further depreciate the standard. The smelter very fairly contends that, bound as he is at the ticketings, to take all ores which may be offered, he must needs look to the state of the markets, the supply and the demand, while, should the former be greater than the latter, he can only purchase the surplus at a price which will yield a larger profit for the risk incurred and the capital embarked than under ordinary circumstances. This might be foreseen and indeed was we believe substances. stances. This might be foreseen, and, indeed, was, we believe, submitted to the Minister, in 1842, when the new tariff was introduced, and to which we must, in a great measure, attribute the present lamentable position of the miner. It was then supposed, or rather advanced on the part of the Government how correctly or otheradvanced on the part of the Government how correctly or other-wise, we unfortunately have evidence too conclusive to admit even of a doubt—that it was impossible to overstock the cop-per market, as the demand would at all times equal the supply, and remunerative prices would be realized; and the plea, on the part of the Government, being, that every ton of foreign ore imported into this country would give additional employment to the smelter. The comparative number of individuals employed in mines and in the smelting works however households. The comparative number of individuals employed in mines and in the smelting works, however, showed the latter to be insignificant, as not being more than 3 per cent. on the labour employed in mining operations in this country, while it entirely escaped the thought of the Minister, that as employment is found for three men in the smelting of foreign ore, that 100 miners are displaced and thrown out of employ; or, as has been too plainly demonstrated that where employment is found, the rate of labour has deteriorated full 40 per cent. Ministers, however, it would appear, are determined still further to pauperize the country, by admitting tin from Asia, free of all duty, the object of which it is difficult to understand, without it be to advance private interests at the expense of the mining comit be to advance private interests at the expense of the mining community. We have ever expressed our apprehensions as to the results which these free trade principles, or actions, we should rather say—for we believe the Minister to be devoid of all principle in adopting so heartless a course, as prejudicing and pauperizing the

home miner and mine adventurer—were calculated to produce, and
—we hesitate not to express our conviction, that, if the Minister be
allowed to carry out his projected measure, of admitting tin free of allowed to carry out his projected measure, of admitting tin free of all duty, removing the very trifling and comparatively insignificant protection which the tinner retained under the new tariff, the day is not far distant when thousands of miners must be thrown out of employment and become beggars, their only resource being the Union, where the bright prospect presents itself of their being separated from their wives and children—such must be the effect of the measures of our paternal Government, whose solicituhe, we believe, is rather directed to place than to the happiness and prosperity of those who contribute to the taxes which they impose. It is true, that they take the right course to prevent the miner or mine adventurer from contribute to the taxes which they impose. It is true, that they take the right course to prevent the miner or mine adventurer from having cause of complaint as regards the Income Tax, for every measure is resorted to calculated to deprive him of the means of subsistence, or obtaining a return for the capital employed. How short-sighted must Ministers be: were they to reflect that, with the employment of 10,000 miners—and we will, for argument sake, take those employed in the tin mines at that number, that there is an expenditure directly or indirectly sufficient to maintain five times. expenditure, directly or indirectly, sufficient to maintain five times their numbers; while, on the other hand, the whole of the tin ores raised in Cornwall do not employ 100 persons in the smelting pro-cess. Thus, it will be seen, should the whole of the tin smelted in this country be of foreign produce, it would, at most, give employment to 100 individuals, while it would, at the same time, throw 10,000 out of employ. What then can be the motive which in-10,000 out of employ. fluences the minister?

We would recommend him to pause, and seriously reflect on the direful consequences which may attend the throwing out of employment so large a body of men.—Let him consult not the smelter, the shipowner, or those few whose interests are blended with his proposed measures, but let him take the practical miner or mine adventurer; let him even ask the smelter himself what will be the consequences. Mr. MICHAEL WILLIAMS, we feel assured, if applied to, would have the honesty and boldness to tell the Minister to beware, and not to act rashly. The removal of the duty on tin is but the precursor to an alteration in the duties on foreign copper but the precursor to an alteration in the duties on foreign copper ores. Already have the foreign miners, the Liverpool clique, and the shipping interest, with the majority of the body of smelters, memorialized Government, and they are cautiously watching their opportunity to press their claims! Let, not, then the home miner be supine or inactive; let him be ever watchful, and, moreover, let not the Members for the mining districts be found sleeping at their posts. How is it, we would ask, that Sir C. Lemon, Mr. Pendarves, Sir R. Vyyan, and Mr. Rashleigh, with the other Members, including the "Central" Member, Mr. Edmund Turner, are silent? What interests do they represent?—perhaps the latter gentleman would tell

the "Central" Member, Mr. EDMUND TURNER, are silent? What interests do they represent?—perhaps the latter gentleman would tell us "his own" and free trade; however, they may depend upon it, that the day of reckoning will come, and then they will find it somewhat difficult to give an account of their stewardship.

The absurdity of the argument put forward by the Minister, that there is no reason why, with a free trade in cotton, the same principle should not also be applied to tin, is too apparent to render many words necessary in dwelling on the subject. If we will assume England had for thousands of years supplied the world with raw cotton, as Cornwall has heretofore with tin, is it to be imagined that any Minister, however powerful, would attempt to bring raw cotton to this country duty free. If he were so foolhardy, we hesitate not to ny Minister, nowever powerful, would attempt to oring raw cotton to this country duty free. If he were so foolhardy, we hesitate not to say he would perish in the attempt; and is it not then monstrous that Sir Robert Pres, the free trade Minister, should apply the principle to tin as well as cotton?

It is not, however, too late for the Minister to pause at the thresh-

not, nowever, too late for the Minister to pause at the threshold,—he cannot retrace his steps when the course is once taken; and we counsel him, as he values the quietude of a district, which can boast of loyalty and industry, not to trifle with the existence of those who are dependent alone on their exertions for their being.

After four days' patient investigation in the case of the boiler explosion at Blackwall, referred to in our last, the jury have given a verdict of manslaughter against Mr. George Low. The inquiry has throughout excited the greatest interest, and the jury displayed, not only a strong determination to sift the matter throughout but but the tradic part but by the control of the partial description. out, but, by their verdict, have evinced that bold and impartial decision, which the evidence demanded. Indeed, the evidence of all the scientific men who were examined, tended to show that this the scientific men who were examined, tended to show that this explosion must have arisen from the high state of elasticity of the steam in the boiler, and that any supposition as to its having arisen from the explosion of gas, was, as we had previously stated, utterly untenable; it was also adduced, that the pressure must have exceeded 100 pounds in every square inch of surface; the fact of the upper row of tubes being brass was quite sufficient at one view to rebut any evidence of inefficiency of the supply of water—brass exhibiting immediately an unmistakeable evidence when once overheated. This was farther borne out by the absence of oxide of iron, which must have been deposited in the tubes below the brass one had oxygen been absorbed; the points, therefore, that this accident must resolve itself into are the following. 1st. Inefficiency of strength of the boiler for its purpose. 2d. The sticking of the valve by some cause. 3rdly. It being incapable of carrying off the steam generated from malformation of parts; or, lastly, that the valve had been tampered with by some person.

walve had been tampered with by some person.

With regard to the first supposition, inefficiency of strength for its purpose, we have the following facts; the boiler was originally intended for supplying steam for two 25-horse power condensing engines, at a pressure of 15, or at most, 20 lbs. to the square inch, engines, at a pressure of 15, or at most, 20 lbs. to the square inch, at which pressure it was perfectly safe; but when put to a high pressure use, which it had been in the present case, it then became too weak for its purpose, which weakness was still farther increased, by the absence of stays across the boiler, to compensate for the absence of that portion of its surface cut out below the steam chest, which was 4 ft. 6 in. diameter, and this too, from out of the top of a cylindrical boiler, the diameter of which was only 6 ft. 6 in. The plates of the boiler were \(\frac{3}{2}\) thick, that of the steam chest 5-16ths; the boiler was safe for a low pressure, but highly dangerous when unstayed for the high pressure it was intended to subject it; this was borne out by the evidence of Mr. Merriton, who had tested the boiler when first made by water pressure to only 50 lbs. on the square inch.

tended to subject it; this was borne out by the evidence of Mr. Merritors, who had tested the boiler when first made by water pressure to only 50 lbs. on the square inch.

That the second point, the sticking of the valve, was not the fact, the tendency of Mr. Low's own witnesses go far to negative, some having seen the steam blowing off—they state even up to the time of the explosion. We may here, however, mention the great discrepancies of many parts of the witnesses evidence; that the witness Read saw the lever—saw steam also blowing from the valve, but only saw one weight, when it was not discounded that they were employed: "he did not see any wood employed," although he afterwards, in conversation with a person, denied that that piece of wood was a piece of scaffold pole, but that it was a piece of "quartering;" he gave the diameter of the valve pattern as 4½ inches, that of the valve chest as between five and six inches, whilst evidence was produced that the diameter of the valve, after being cast, turned, and finished, was 4 inches and 9-16ths, and that the diameter of the valve casing was 5 inches and 1-32d of an inch. The witness named Chettle stated, first, that the man on top of the boiler could not get at the valve to hold it down; but on the last examination, by Mr. Flower, though it probable, that this man getting unto the boiler by a ladder, though he had previously stated that he saw nothing resting against the boiler, might have caused the accident, by the ladder catching the valve. With regard to the malformation of the valve, and its being incapable of

carrying off the steam generated, we have the evidence that the area of the circle, between the outer diameter of the valve and the inner diameter of the valve chest, contained only about 31 the inner diameter of the valve chest, contained only about 3½ square inches, although the area of the valve was about 16 square inches, and that the valve must have risen 13-16ths before the area of that passage from the valve could have increased, it only then reaching the bottom of the waste steam-pipe, some vessels at present on the Thames, having a pair of 16-horse engines or a combined nominal horse power of 32, have two safety valves of 4½ inches diameter, being equal to one square inch of valve to each nominal horse power. In the present instance, we have a boiler constructed to supply two 25 nominal horse power engines with one valve 49-16ths in diameter, containing about 16 square inches, which area was, through the smallness of the valve chest, again reduced to less than 4 square inches, whilst, if the proportions used in the foregoing case had been adhered to, we should have had an escape of 50 square inches, instead of less than 4. These are facts worthy of being examined by our scientific men: it was not stated what the size of the valves were which were appended to this boiler when employed in Waterman, No. 11. With regard to the last hypothesis, that the valve had been tampered with, there would appear to be almost certain proof: some of the witnesses admirity that the valve did not certain proof: some of the witnesses admirity that the valve did not certain proof: some of the witnesses would appear to be almost certain proof: some of the witnesses admitting that they did not see any piece of wood, although, they allowed, it might possibly have been there without seeing it; and, moreover, it is not positively denied by Mr. Low himself. The decision of the jury has, however, been given, and the conviction on their minds, as expressed by their verdict, will, we think, be admitted by all, who read the evidence with care, to be strictly consent with truth and instead to the country of the country admitted by an, who read the evidence with care, to be strictly consonant with truth and justice; it, however, still remains for the decision of a jury of a superior court, who, it is to be hoped, will give to the subject all that attention which its importance demands. If any thing is defective in principle, it ought to be clearly ascertained, so as to avoid a recurrence of accidents of so fearful a na-If any thing is detective in principle, it ought to be clearly ascertained, so as to avoid a recurrence of accidents of so fearful a nature. The purposes of steam are rapidly increasing, and it is to be hoped, that engineers and scientific persons to whom it is of such vital importance, will not only lend their aid to elucidate the cause, but will, to the utmost of their ability, by their inquiries and minute investigation, enable the jury to arrive at correct conclusions as to the cause of the explosion. It is hardly necessary to say, that if accident after accident are allowed to be passed over without any adequate inquiry, the public will naturally imagine that the error exists in the principle, whilst, by investigation, it may be proved to have arisen through injudicious management in carrying out that principle. That we have not devoted too much space, or unduly over-rated the importance of the case, will be evidenced and readily admitted, while we may observe, en passant, that the value of steam machinery exported during the last twelve months has amounted to nearly 800,000. That the existing lines of railway at present in Great Britain amount to nearly 2000 miles (4984) paying to the Government, in the shape of taxes, upwards of 500,000. per annum—not to advert to the rapid progress making, not only in England, but on the Continent, in the application of steam to the several appliances connected with railway reconsistent these readering its birthe importance that readers. cation of steam to the several appliances connected with railway propulsion—thus rendering it highly important that an investigation into accidents of this nature should be most perfect, and that no pains be spared to elicit the facts.

It was our intention to have given a summary of the proceedings before the coroner, with a cut, illustrative of the cause to which the accident is attributed; but as such would occupy more space than we can devote on the present occasion, we defer, until next week, further dwelling on so painful a subject, merely recording the verdict of the jury, as delivered at the close of the inquest, which was to the following effect:—" Manslaughter against Low," who, it will be remembered, was the engineer who had the super-intendence and control of the engine, and by whose direction it would appear the action of the valve was interrupted. Thus, so would appear the action of the valve was interrupted. Thus, so far in the fulfilment of their duty, leaving it to another court to determine to what extent he is culpable, and what, if any, punishment, shall be inflicted. We consider the jury have only done their duty, and have, indeed, adopted the only course which it appears to us that presented itself to an unbiassed mind; but it is with regret we find appended to the special verdict, the opinions of the jury as to the state of the engines and machinery in general on the gret we find appended to the special verdict, the opinions of the jury as to the state of the engines and machinery in general on the premises of Messrs. Samuda, which they pronounce "very inefficient," and, moreover, of a "very defective character." It is sadly to be lamented that there should be cause for an expression of this kind, for, we should have supposed, after the melancholy loss of life of one of the firm by the explosion at Blackwall, some months since, more than ordinary care and caution would have been manifested. The inquest on the bodies of the other sufferers yet remains to be held, when, we presume, similar verdicts will be given, as the evidence must necessarily be the same.

CONTRAST BETWEEN PROJECTED RAILWAYS FROM GALWAY TO DUBLIN, BY ATHLONE AND POPETABLINGTON, AND BY POPETUNINA AND BORRIS-IN-OSSORY.

[FROM A CORRESPONDENT.]

1. Asregards directness of transito the metropolis.—The line by Portumna and Borris-in-Ossory, will be, at all events, not less direct than the line with which it is contrasted.

2. As regards expense of construction and contraction. RAILWAYS IN IRELAND.

and Borris-in-Ossory, will be, at all events, not less direct than the line with which it is contrasted.

2. As regards expense of construction and maintenance.—It will be much less expensive, inasmuch as the extent of exclusive railway which it will require to be constructed and maintained will be but sixty-six miles, instead of about eighty-nine miles—the saving of the difference between which may be assumed to be equivalent to the saving of a perpetual annual expenditure of 18,000l. (the expense of construction alone, irrespective of the expense of maintenance, being equivalent to a perpetual annual expenditure of 9000l.), which sum must be paid out of the annual profits of the company, before any dividend can be declared.

3. As regards probable traffic and revenue, and the interest of the shareholders.—In addition to the foregoing observation, it is submitted, that a line which is not liable to the opposition of any canal, and which tends to connect Galway with the south of Ireland, the south of England, and the Continent, as well as with the east of Ireland and the north of England, must produce a larger revenue than a line which tends to connect Galway with the east of Ireland and the north of England, must produce a larger revenue than a line which tends to connect Galway with the east of Ireland and presevering competitor which, though it may partially, can never be wholly, superseded, and which has been found, in many instances, a powerful and persevering competitor with the best imagined railway enterprises, even as to passenger traffic.

4. As regards interference with the rested rights of others.—It is obvious, that a line, the nearest point of which is many miles distant from either of the canals, must interfere with the rights of those interested in such canals, expends three-fourths of its length in traversing a district bounded on the north by the Royal Canal, and on the south by the Grand Canal, and may almost be described as parallel to, and equidistant from, each—while it is notorious, that,

motorious, that, throughout their entire course, these canals are even now in injurious proximity to one another.

5. As regards national interests generally, and those of the county and town of Galway in particular.—The district through which the Porturma and Borris-in-Ossory line would pass, while it is most populous, and possessed of considerable resources, is now ill supplied with any means of communication with the surrounding districts, or with the metropolis—while the district to be traversed by the other line is already over-supplied with the means of cheap and expeditious transit by water; and it is also to be borne in mind, that, as there is nothing to prevent the county and town of Galway from very soon equalling Lancashire and Liverpool, the town of Galway, as the extreme western port of Europe, will, probably, at once spring into immense importance in a commercial point of view; and, therefore, whether the rapid transmission of mails, or the convenience of merchants, of manufacturers, or of mere travellers, be considered, the national interests imperatively demand for the town and port of Galway an early, direct, and economical railway communication with Cork and Waterford, as well as with Dublin

Original Correspondence.

REAL DEL MONTE MINES. Sm,-Being compelled, most reluctantly, to defend my character for

stency against the misrepresentations of Mr. Tyrrell, contained in a letter published in your last Number, I trust you will extend to me the same indulgence, with which he was favoured, by giving publicity to mine.

letter published in your last Number, I trust you will extend to me the same indulgence, with which he was favoured, by giving publicity to mine. In common with other registered shareholders in the Real del Monte and Bolanos Mining Companies, I received the circular from Mr. Tyrrell (a copy of which appeared in your paper of the 8th inst.), containing proposals for a variety of alterations in the management of both those companies, which he intended to submit to the shareholders at the next general meeting, which was to be held on the 10th of the present mouth, and which did take place accordingly. To all his proposals I most strongly objected in the answer he requested might be returned. On the day of the meeting Mr. Tyrrell read his proposals; previous to which he told us that, out of 167 replies he had received, mine was the only one that differed from him in the expediency of making the proposed alterations. In my letter to Mr. Tyrrell, after stating that I had been a shareholder in both the above-mentioned companies from the time they commenced operations, that I was deeply interested in their success, and had attended almost every meeting that had been held.—I went on to say, "of this I am thoroughly convinced, that had it not been for the superior scientific attainments of our excellent manager, Mr. Taylor, and his intimate acquaintance with the mining population of this country, by which he was enabled to select and send out those who were the best qualified for the various duties required, both in the underground and surface operations, and if it had not been for the zealous, unwearied, and almost daily, attendance of some of our directors at our office, the Regla Mines must long ago have been abandoned. Your proposal, therefore, to dismiss the manager, whose original salary was 1500l, but subsequently reduced, by his voluntary act, to half that amount, and, by a second concession, to his present salary of 300l.; to establish the office in the City (which you consider would be an actional expense) by w only half that amount; who reduced the number of directors from twelve to seven, thereby effecting a saving of 5000, per annum; besides which, reducing their salaries, in the Real del Monte Company, from 1201, to 1000; to have but one secretary and three clerks, to undertake the onerous office business of both companies,—are proposals, which appear to me so preposterous, that I cannot suppose they will meet with the least encouragement from the body of shareholders; they will have too great a regard for their own interests to unsettle the management (which, from long experience, has been found to work exceedingly well), and thereby greatly to injure, if not to annihilate, one or both the companies, just at a time when our patience and perseverance is about to be rewarded by profitable returns; and all this disturbance to be effected for the avowed purpose of saving the paltry sum of 1576l. 18s. 5d., out of an annual expenditure of about 200,000l."* Mr. Tyrrell read the above letter at the meeting; then again, sentence after sentence, making his comments as he proceeded. He saving the paltry sum of 1576l. 18s. 5d., out of an annual expenditure of about 200,000l. "* Mr. Tyrrell read the above letter at the meeting; then again, sentence after sentence, making his comments as he proceeded. He appeared to take umbrage at the word "insult," and as he disavowed any hostile feeling towards the directors, I thought that I ought publicly to retract that word, but that only, which he calls an apology, for the expressions I made use of in my letter. But, to my utter amazement, Mr. Tyrrell goes on to say, in the letter addressed to you, that, after the meeting was over, I told him, in the presence of some others, that I approved of his propositions! Sir, I solemnly declare, on the word of a gentleman, that there is not the slightest foundation for this assertion. I saw Mr. Tyrrell, by chance, at the top of the stairs, opposite the room where we had assembled, in conversation with two or three of the shareholders; until that day he was a perfect stranger to me; but, as an act of courtesy, I addressed a propositions! Sir, I solemnly declare, on the word of a gentleman, that there is not the slightest foundation for this assertion. I saw Mr. Tyrrell, by chance, at the top of the stairs, opposite the room where we had assembled, in conversation with two or three of the shareholders; until that day he was a perfect stranger to me; but, as an act of courtesy, I addressed a few words to him, which, however, were of such trifling import, that they were soon obliterated from my memory; I believe I said that I was very glad to see he did not hold up his hand against Sir William Freemantle's motion of confidence in our directors; to which, I think, he replied, "I have no objection to the directors." I am quite positive that, whatever else I may have said, had not the remotest tendency to the construction that Mr. Tyrrell has thought proper to put upon it. Is it at all probable, that, after my deliberately written sentiments, so directly opposed to those of Mr. Tyrrell, and been promulgated at the meeting, I should, the moment that meeting was over, be guilty of the base duplicity of disavowing all my previously expressed opinions, and expose myself to one who, of all others, would'be likely to take advantage of such an act of indiscretion? Mr. Tyrrell again (in his letter to you) says, "I told you I thought be (the anonymous writer) either sat as a director, or was under their direction: the language is very similar to that used by the chairman at the meeting, and also very similar to that used by the chairman at the meeting, and also very similar to that used by the chairman at the meeting. This is perfectly true, and may readily be accounted for, without resorting to the supposition that the three statements emanated from the same mind—we were well acquainted with facts, of which Mr. Tyrrell was totally ignorant. Who wrote the anonymous letter I know not; but I can assure Mr. Tyrrell that the letter I sent to him was bona fide my own composition; that I am not a person to be made a cat's-paw of by a director; and the frequent occurrence; but the great impediment to profits, hitherto, has been the unsatisfactory manner in which the silver has been extracted from the ores; the loss, compared with the assay, having been from 15 to 40 per cent. It is hoped, that in a very short time, we shall not again have reason to deplore this heavy loss in the precious metal. The barrel process has been found to answer exceedingly well, and machinery for twenty-four barrels (in addition to the eight now at work) is on its way to Mexico. But, what is of much greater consequence, a person sailed to Mexico, by the last packet, who, by a process of his own invention for extracting the silver, for which he took out a patent in Mexico, gave a satisfactory proof of the efficacy in his mode of treating the ores, by realizing a very considerable sum of money; an advantageous bargain has been made with him by the directors; his skill will shortly be tested at the Regla Mines, and we may confidently anticipate a very favourable result.

Being quite satisfied with the defence I have made against Mr. Tyrrell's attack, I do not mean to enter into any further correspondence on the subject, should any endeavour be made to draw me into it.

T. Vachella.

T. VACHELL. drman of the directors stated the annual expenditure of the Real del Mon be 320,00%; and the two united, upwards of half a million. REAL DEL MONTE MINING COMPANY.

As the management of the above min nsiderable attention, perhaps I may be excused adding a few words to the correspondence which has already appeared. A gentleman, signing himself "T. Tyrrell," has undertaken the contest against the Board with more self "T. Tyrrell," has undertaken the contest against the Board with more impetuosity than wisdom; while on the other hand, another correspondent, under the title of "A Shareholder," appears to be blinded by the fair promises of the directors. The one purposes to remedy all evils by calling for a committee to investigate the affairs of the concerns, and with powers to call for all servants, books, and papers—and even the chairman's confidential book, and other documents, equally and properly inaccessible: the other denounces all interference with the proceedings of the company as dangerous and impracticable. Now, both gentlemen appear to me to carry their ideas to extremes—Mr. Tyrrell by requiring too much, will gain nothing; the Shareholder by desiring nothing, will lose everything. Where can be the benefit of the former threatening to require the chairman's confidential book?—the idea is as absurd as it is visionary; the chairman dare not produce it, and even in the event of the proposition being carried, he might and ought to refuse compliance. Again, Mr. Tyrrell overdoes his business, he will call for the lease of the premises in which the offices are rented—the housekeeper and messenger, and Mr. Taylor with his rentroll! By such preposterous demands, Mr. Tyrrell defeats his own object: he makes himself deservedly a laughing-stock, and all his suggestions are classed and ridiculed together: had he confined himself to plain reasonable practicable plans, he would have gained the attention—perhaps the concurrence—of others. As it is, I fear his ultimate object, desirable in itself, will be frustrated by the means whereby he would effect it. Again, his proposition respecting Mr. Taylor's duties are absurd—that he should occasionally be consulted as a scientific man, and well faid for his opinion; in other words, now that he has become acquainted with the nature of the company, and made himself thoroughly master of the mines, dismiss him; but still, when you find yourself going to ruin, consult him, make him you when again you begin to err, entreat his aid—fee him once more, discharge him. The question is, would Mr. Taylor be fool enough to submit to such indignity, or any other man with capability to perform the duties; many might be found to undertake the office on such terms, but how would they fulfill it? Still, while I blame Mr. Tyrrell's propositions as being chimerical, and, more than that, unjust, I do not concar with your other correspondents, that after all the promises, stoutly and repeatedly made, as invariably unfulfilled, the proprietors should rest quietly under their disappointment, as if satisfied at giving their money for no return, and paying their officers for keeping up what is very like a nullity. Sarely, if the mines just produce enough, and sometimes not enough, to pay the salaries and nothing more, that is no good ground for keeping the staff to pay themselves. As Mr. Tyrrell very justly remarks, the mines are the support of the manager and the directors; but have the proprietors received one farthing? Either the works should be abandoned as profitless, or some means adopted, in and by the directory, so that all the little returns on the shareholders' outlay may not be expended on the management without the slightest benefit accruing to the proprietors. Let the directors take the matter up. I feel assured they are above all mercenary or unfair dealings, and must be anxious for the prosperity of the concern and the advantage of the shareholders: let them then give the subject a thorough and searching investigation, and see whether by amalgamation of the working establishments, abroad as well as home, of the two companies, Real del Monte and Bolanos, a great saving might not be effected. On this let Mr. Tyrrell take his stand, instead of busying himself about the housekeeper, the messenger, and the rent-roll, and he will have the thanks and support of more than one Carlton Club, March 18.

[Why does not our correspondent allow us to give his name?—Mr. Tyrrell has a fair claim to require it.]

Why does not our correspondent allow us to give his name?—Mr. Tyrreli a fair claim to require it.]

BLACKWALL RAILWAY-EXTENSION TO EPPING. SIR,-The adoption of the proposed plan, to extend the railway to Ep ping, appears to those, who have entered into the necessary inquiries, a admirably calculated to promote the prosperity of the concern. I understood that measures were forthwith to have been adopted to carry out the preliminary steps, and that for this purpose a general meeting of the proprietors was to have been convened,—can you, or any of your well-informed correspondents, assign any cause for the delay. The company appears to be progressing steadily, and I am sanguine that those who invest at the present low rates will, ere long, find their property quadrupled, should the measure, to which I have above alluded, be carried into effect. Now that we have commenced received distinctions will a property and the property and the property appears to the present low rates will, ere long, find their property quadrupled, should the measure, to which I have above alluded, be carried into effect. the present low rates will, ere long, find their property quadrupled, should the measure, to which I have above alluded, be carried into effect. Now that we have commenced receiving dividends, with the pleasing expectation that they will progressively increase each year, and with the implied promise that in future no half year will pass without one, we have reason to look upon our prospects as cheering. Yet there are other circumstances which, if taken advantage of, may, as I asserted before, raise the shares, which are now below 8L, to par. For this cause I am most anxious to see the directors availing themselves of every suggestion having a tendency to bring about so desirable a result. Some plan ought to be adopted gradually to decrease the number of debentures, by the creation of a proportionate number of new shares, and thus relieve the shareholders of at least a portion of the enormous interest now payable on the debt—this might be done without prejudice to any one. It is true that something of the kind has been suggested as practicable, when the affairs of the company become more prosperous. The creation of new shares, in the present depreciated state of the market, may be a legitimate objection; nevertheless, I am sure it would be far more advantageous than to continue the present high rate of interest. Let all the shareholders stremously exert themselves, both individually and collectively, to promote the advancement of an undertaking which has all the elements of success in itself, and which only requires a wise management to accomplish that, which will place this railway among the most fortunate of those which have been constructed.

March 20.

IRISH RAILWAYS.

IRISH RAILWAYS.

SIR,-As a constant reader of your Journal, I have, of course, observed the remarks made upon the Armagh and Coleraine Railways, with Mr. Barnes's reply in the Number of the 8th March, and a rejoinder in the

Barnes's reply in the Number of the 8th March, and a rejoinder in the Number of Saturday last. From the tenor of the remarks in the latter, it is not difficult to imagine the source from whence it emanates; but, as you say that your paper is open to any person who may be desirous of replying, I beg the favour of your inserting the few lines I intend to trouble you with upon the subject—noticing, at the same time, that it is not with any view to puff up one line to the prejudice of the other, but simply to expose the falsehoods of the party seeking to run down the line with which Mr. Barnes is connected. As to the alteration of the names by which his railway has been called, he can best give the explanation—and which, no doubt, he will do—but I have had no communication whatever with him, nor is he aware of my writing this. It is perfectly well known, that the line was surveyed by Mr. Barnes and others several years back; but, in consequence of the state of Ireland, the plans have been lying dormant until the present time, when an opportunity offered for extending the benefit of railway communication to that country; this previous survey was perfectly well known to the other party, and it is stated that they, by some subterfuge or other, got a sight of the plans, which, after being well "ogled," a counter plan was got up, and well puffed up in the papers. As to the merits or demerits of the lines, I have nothing to say—merely observing, that they run side by side for miles, and, therefore, they are pretty well albe; it is, however, to be borne in mind, that this railway passes through land belonging to the City companies, particularly that of the Merceys, for that they run side by side for miles, and, therefore, they are pretty well allke; it is, however, to be borne in mind, that this railway passes through land belonging to the City companies, particularly that of the Mercers, for nine miles continuously, and whichever they may sanction, in all probability the other companies will join them in obtaining. Now, about three weeks since, the parties were invited to attend on a Court-day at Mercers' Hall, and the result was, the unanimous adoption of Mr. Barnes's line, after fully hearing what each party had to say. When the remark is made, that it is presumed the Dablin, Belfast, and Coleraine Junction, will disappear as a mere bubble, it is really "too bad;" and the commencement of one paragraph, speaking of the letter from a Mr. Barnes, is not quite fair. It is perfectly well known who he is—he is the son of the late highly and deservedly respected clerk of the Mercers' Company, and the sharebrokers are members of the court of that company (Messrs. Suttons), and whose high respectability is well known. Had your correspondent added his name, we should have known what reliance might be placed upon his assertions; but, as he has not thought proper to do so (as Mr. Barnes did). I shall follow his example, merely observing, that one can well understand the vexation of a solicitor of but little standing, being exposed in his claim to be the originator of the line in question.

A Constant Reader. to be the originator of the line in question.

Cornkill, March 17.

VICTORIA IRON-WORKS.

ced in your very valuable publication relative to these works, has excited my surprise, as well as that of your correspondent, "W. A.," London. That the cost of the Victoria Works of the Monmouthshire and Glamorganshire Banking Company did not acceed 16,0004. I believe is undeniable; and, also, that the directors (one of exceed 16,000%. I believe is undeniable; and, also, that the directors (one of them of long standing, and of the highest respectability, in the iron and tin trades of South Wales) expressed to the dissatisfied bank shareholders and others that it would certainly realise 120,000%, is equally undeniable; but that there has been any dereliction of duty on part of the parties disposing of the works, as intimated by "W. A.," I cannot believe. The history of this concern, which has caused so much ruin, distress, and suicides, if published, would furnish a useful lesson to the community. The original lesse granted to the projectors of this profitable concern by Sir Benjamin Hall, is as follows:—

For ninety-nine years commencing June 24, 1836.
Royalty on iron ore and coal, per 2550 lbs., Sixpence.

Nicepence.
No royalty on small coal unless coked, ner on coal consumed by engines.
Four furnaces to be built instanter, and an additional four in 1846.
Works subject to a rent charge of 2000, per annum.

Sir Roger Hopkins, Sons, and Co., took to the property on the above some and issued prospectuses, promising a return, in moderate times of the iron trade, of eighty-one per cent., and in the very worst of times 25 to per cent. The terms on which the unfortunate shareholders were let into it were these:-

the iron trade, of eighty-one per cent., and in the very worst of times 25 to 30 per cent. The terms on which the unfortunate shareholders were let into it were these:

Royalties for coal and fronstone consumed in making pig-iron or castings, 6s. per ton. On every ton of No. 2 bar-iron, an additional sum of 1s. 6d. per ton. On every ton of No. 2 bar-iron, an additional sum of 1s. 6d. per ton. In addition to 6s. on pig-iron. Coal experted or sold off the premises, 1s. per ton.

I could give you a verbatim copy of this letting, but I fear it would be too long for your pages (but, if not, you are welcome to it); I will, therefore, make a remark or two, as brief as possible, on this taking and letting. Suppose we say 2 tons 10 cwts. of ironstone (with cinders), and 3 tons of coal, at 6d. per ton (the terms of Sir Roger's taking) would be 2s. 9d. on pig-iron, for which the shareholders were to be privileged, by paying 6s. per ton. These royalties to amount to 1500l. per annum for Victoria, and 1500l per annum for Abercarne. But these comments were not satisfied with doubling their rates, but stipulated as follows;—The company shall grant to the present lessees (in consideration of the benefits and advantages to be derived from the lease) FREE SHARES to the extent of SEVEN AND A HALF PER CENT. On the capital subscribed, without-any present or future payment on account thereof. That 200,000l, has been lavishly spent on the works—that the pits and shafts sunk thereon were placed in such situations as to command efficiently but a very limited extent of minerals, as well as being placed where no room for the deposit of the soil, &c., was to be found, in short, that the arrangements were of the most absurd and ridiciolous or order, is known far and wide, and needs no comment from my pen—to say nothing of the upper courses or series of ironstone proving (though this was contrary to the expectation of those well versed in mining) a complete failure, no wonder need be expressed at the deplorable condition to which the vears

NEW SCOTCH IRON COMPANY.

NEW SCOTCH IRON COMPANY.

SIR,—I have been patiently awaiting some notice through your columns of a company recently projected in Glasgow, estensibly for the manufacture of malleable iron, entitled "The West of Scotland Malleable Iron Company," with a capital of 100,000d, to be carried on, as I am informed, under the management of Messrs. James and Douglas Baird, J. Merry, A. Cunningham, and J. Houldsworth. Now, Sir, so many of your readers being deeply interested in everything connected with the iron trade, it is only fair to hope, that you will endeavour to procure some information respecting this new undertaking, that they may understand on what views the projectors ground their anticipations of success.

Cameria.

Swansea, March 18.

[We have given insertion to the above, and shall readily publish any letter

Swansea, March 18.

[We have given insertion to the above, and shall readily publish any letter we may receive in reply—the vast and increasing importance of all matters pertaining to the manufacture of iron rendering information connected therewith of the greatest interest to our readers. We may add, that the names mentioned by our correspondent may be assumed assufficient guarantee of the respectability and bona fide nature of the undertaking.]

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IMPROVED MANUFACTURE OF CAST-STEEL Sin,—As the patentee of a process I suppose to be alluded to in your Journal of the 1st instant, and headed "Improved Manufacture of Cast-Steel," I shall feel obliged by your informing me of the name and address of the writer of the article in question, as I understand, through the information of Dr. Ryan, you have no objection, upon application, to give the required information.

John James Osborne.

formation of Jr. Hyan, you have no objection, upon application, to give the required information.

Macclesfield, March 8.

[Our invariable practice being, decidedly to refuse the names of all authors of communications which may appear through our columns, we cannot, of course, comply with the request of Mr. Osborne: we, however, insert his letter, that the writer of the paper may have the opportunity of answering it should he think fit to do so.]

that the writer of the paper may have the opportunity of answering it should he think fit to do so.]

Sir,—I have just witnessed a very striking and extraordinary phenomenon—a toad occupying a cavity in a block of solid coal. It was found in a coal seam in the vicinity of Leeds, at a depth of twenty-one yards; the thickness of the seam of coal in which it was found is 1 yard 3 inches. The block was broken by a blow, and discovered a toad in a shrivelled condition—in fact, a mummified state. The block is most entirely solid; not a flaw or erevice to the amount of a hair's breadth was connected in any way with the cavity. I have most minutely examined it in every way, and I am sure no art could form the cavity in that coal. The cavity is somewhat egg-shaped, and the unoccupied space around the toad is more than that occupied by its body; to turn itself, however, in the cavity, was impossible. The interior looks as if it had once been plastic, and bears slight impressions of parts of the body of the toad, as of the feet, &c. No doubt, the cavity has been moulded in some measure by its strange tenant. The interior surface appears as if somewhat polished; the eyes and mouth seem completely scared. I have gazed for an hour at this strange manney, in its yet stranger coffin. You will understand that it was discovered in this state, and was not alive when found. A better authenticated fact I have never met with.—March 13.

J. Murkay...

Plays are constant.

RADIATION OF HEAT.—M. Melloni, of Naples, has just completed some very interesting experiments on the radiation of heat. The previous researches of Rumfort and Leslie, proved that the surfaces of different bodies possess at very different degrees the faculty of giving out, by radiation, the heat of the substances which they envelope, and it has also been satisfactorily established that layers of the same varnish considerably modify the radiating power of the surfaces over which they are laid; showing, therefore, that the rays of heat given out by a substance, proceed not only from its surface, but the points around it to a certain depth. It, therefore, remained to measure numerically the thickness of the superficial layer, which assists the radiation, and to this undertaking M. Melloni applied himself: he covered the faces of Leslie's cube with equal layers of a proper varnish, augmenting successively the number of layers, and, measuring each time with his thermometrical apparatus the radiating powers of the surface: he found that the power went on gradually increasing up to the seventeenth layer of varnish, when it became stationary. At this point, the total thickness of the varnish, as ascertained with the greatest possible minuteness, was about the four hundredth part of a millimetre. In comparing this result with that which attended the use of leaf gold, M. Melloni found that a much thinner coating of gold would produce the same amount of radiations. but the difference is not to be insured to the supercorrelessor transparence. that a much thinner coating of gold would produce the same amount of radia-tion; but this difference is not to be imputed to the greater or lesser transpar-ency of the coating, for lamp-black, which is very opaque, possesses like var-nish the property of giving out heat from the layers on which it is placed.

The rails and chairs for the Newcastle and Herwick Railway, smothing 27,000 tons, have been contracted for at \$21, per ton the former, and 74, the la

PROGRESS OF RAILWAYS.

The increase in the traffic receipts of the undermentioned twenty-five railways for the first eleven weeks of this year, as compared with the corresponding period of last year, amounts to 158,641.—namely:

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mingham and Gloncester ...
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tern Counties ...
tburgh and Glasgow ...
gow and Grasgow ... London and Croydon

Manchester and Birmingham

Manchester, Bolton, and Bury

Manchester and Leeds

Midland Company 3371 8728 189 2609 7889 Edisburgh and Glasgow Glasgow and Greenock Glasgow Pabley, and Ayr-Grand Junction Gress North of England Gress Western Liverpool and Manchester London and Birmingham London and Birghton Midland Company
Newcastle and Caribde
North Union
Preston and Wyre
Sheffield and Manchester 2808 19847 5678 9494 4032 2108 28497 194 19777 Ulster York and North Midland ..., Total £158,641

The Board of Trade and South-Western 2168

The Board of Trade and The Railways Hull And Gainsborough seemed to us, and was universally acknowledged by the public to be, one of the most rational and useful in its objects, as well as solid in the advantages offered to the shareholders. It is not often that we confer unqualified approbation, nor is it in every, even the most sterling, undertaking that we observe such conspicuous merits as appear so prominent to others; neither is it often that we have found occasion to question the sagacity of the Board of Trade. But in the particular scheme before us, we see such incontestible advantages both to the community collectively, and to the shareholders individually, that we consider ourselves bound, in justice to the public as well as to the company, to offer a few remarks on its original professions and present position.

The company, formed as it was under the most favourable circumstances, with a board of directors which, numbering among its members the names of such men as the Hon. William Ashley, John Chapman, W. Petre Craafurd, and others of unequivocal integrity, put the question of its bona fide character beyond all dispute, was framed to construct a railway that should connect, by the shortest and most direct route, the important manufacturing towns of Kingston-upon-Hall, Sheffield, Rotherham, Nottingham, Derby, Birmingham, Gloucester, Bristol, and the metropolis. The line they proposed would have reduced the present distance of 243 miles between Hull and London, to 166 miles—thus effecting a saving of seventy-seven miles over any existing, and of twenty niles over any projected, line. It would also have been by far the most preferable medium for the transmission of manufactured and other goods sent to Hull, both for shipment and local consumption; and of agricultural produce from the north of Lincolnshire to the manufacturing districts, almost concentrated on its route. Such advantages to the commany; we extraordinary saving of time and distance, the comseque

NEW RAILWAYS. The Gazette of last night contained the official noti-NEW RAILWAYS. The Gazette of last night contained the official notification that the Board had determined on reporting in favour of—the Aberdare; Brighton, Lewes, and Hastings (Keymer Braneh); Cockermouth and Workingson; Danstable, London, and Birmingham; Erewash Valley; Manchester, Sheffield, and Midland Junction; Newark and Sheffield; North Wales Mineral Railway (Extension); Preston and Wyre (Lytham and Blackpool Branches); Shrewsbury, Oswestry, and Chester; Sunderland, Durham, and Auckland; Wear Valley; and recommending the postponement of the—Ely and Bedford; Launceston and Tavistock; South Devon and Tavistock.

outh Devon and Tavistock.

MINES IN THE UNITED STATES.—By recent researches into the geology

the postponement of the—Ely and Bedford; Launceston and Tavistock; South Devon and Tavistock.

Mines in the United States.—By recent researches into the geology and mineralogy of North America, some interesting information has been elicited respecting the veins of silver and copper or the banks of Lake Superior. Dr. Jackson, who prosecuted the inquiry, has discovered that the copper is generally found in the native state, sometimes pure, and sometimes in alloy with the silver—the veins of silver being, at the same time, frequently found in the pure state, passing through large masses of copper in which not a trace of silver exists.

Dr. Bevan's New Life-Boar.—We have before us the model of a lifeboat on a very simple and ingenious plan; the inventor is Dr. Bevan, of Dublin—a gentleman who has long devoted his abilities to the furtherance and practical adaptation of science. Without expressing any positive opinion of its merits ourselves, we will give the principle a full explanation, and leave it to the public to pronounce on its feasibility. The designer has only at heart the benefit of the community, and for that object is sincerely anxions for its general adoption, feeling, as he does, the fullest confidence in its advantages and its vast superiority over similar constructions. On a stem post and cutwater a deep keel is laid down, occupying the third of their length; on this two boats are constructed diametrically opposite to each other—or, in other words, back to back—so that, while the superior one represents the long boat of a ship, the inferior will represent that of a rowing gig. Having accomplished thus much, an outside, or shell-boat, is thrown outside, and, being planked from gunwale to keel, gives the whole the common character of a boat, but confers on it most important qualifications. Between the two boats on either side, from stem to stem, along the inner keel, she becomes a perfect sieve, wholly incapable of retaining water. If her sides be divided into air-tight sections, she may be belieded wi

FOREIGN MINES.

THE BRAZIL MAIL.—The Peterel packet arrived at Falmonth on Thursday, from Rio de Janeiro, with the mails from whence she sailed on the 16th of January. Freight about 35,000½, of which upwards of 6000½ is for the St. John del Rey Mining Company.—Exchange 244 to 25.

MINE ACCIDENTS.

MINE ACCIDENTS.

Wheal Spearn Mine.—J. Nicholas was severely injured by a large stone falling down the shaft while filling the kibble.

Dudley Port, Coseley.— T. Attwood was killed by a fall of coal.

Kingseinford.—A. Bennett was killed at Ketley Colliery.

Holly Hall, near Dudley.—Two linen (one the butty's son) were killed while undermining some coal at Messrs. Evers and Martin's colliery.

Swanzes.—D. Rees was killed by a fall of coal while at work.

Eagle's Bush Colliery.—Two men were much burnt by an explosion. Swinney Colliery,—War Botton.—T. Martindale has since died from injuries he received on being thrown out of the basket when descending to his work, in company with his father and two brothers, who were more or less injured.

Mining Correspondence.

ENGLISH MINES.

March 18.—An account held on the mine of profit and loss for Nov. & Dec.:

M. —To labour cost. — £1145 7 8

Merchanta' bills, &c. — £48 36 10—1794 4 6

Showing a profit of 20/44. 18s. 4d.; from which deduct 10004. for a dividend, leaves a balance in the purser's hand of 1074. 18s. 4d.

HOLMBUSH MINING COMPANY.

March 17.—In the 120 fathom level, east and west of the cross-cut, the lode continues about ten inches wide, and worth about 4. per fathom. In the 110 fathom level, west of Hitchins's shaft, the lode is fifteen inches wide, and worth about 7. per fathom; in the stopes in the back of this level, east and west of Michell's winze, the lode is sixteen inches wide, and worth 20. per fathom; in the stopes west of Lobb's winze the lode is twenty inches wide, and worth 351. per fathom; in the stopes west of Goldsworthy's winze the lode is one foot wide, and worth 14. per fathom; in the stopes west of Goldsworthy's winze the lode is one foot wide, and worth 14. per fathom. In the 100 fathom level, west of Hitchins's shaft, the lode is fathom. In the 100 fathom level, west of Hitchins's shaft the lode is small, and rather poor, and the men are removed to stope a piece of ground east of the south cross-cut at this level, and also to stope a piece of ground in the back of the eighty fathom level, west of the south cross-cut; in the stopes west of the south cross-cut; at the 100 fathom level, the lode is eighteen inches wide, and worth 301. per fathom; in the winze sinking below this level the lode is sixteen inches wide, and worth 281. per fathom. In the minety fathom level, west of Hitchins's shaft, the lode is sixteen inches wide, and worth 281. per fathom. In the ninety fathom level, west of Hitchins's shaft, the lode is sixteen inches wide, and worth 281. per fathom. In the ninety fathom level, west of Fathom. In the rise in the back of the 80 fin level the lode is eight inches wide, producing stones of ore. T. RICHARDS.

**The level in the 156 fathom level is one foot wide, cond work.

**The level in the 156 fathom level is one foot wide.

level the lode is eight inches wide, producing stones of ore.

TAMAR SILVER-LEAD MINING COMPANY.

March 17.—The lode in the 136 fathom level is one foot wide, good work.

Ditto 125 ditto—six inches wide, very rich work.

Ditto 115 ditto—six inches wide, very rich work.

Ditto 105 ditto—sis still in slidy ground, and unproductive.

Ditto 95 ditto—has not been broken since last report.

Ditto 85 ditto—nine inches wide, can and ore.

Ditto 65 ditto—twenty inches wide, capel, can, and ore.

In the winze rising in the back of the fifty-dive fathom level the lode is one foot wide, at present poor. The incline. We sold on the 8th inst. a parcel of silver-lead ore, computed 108 tons, at 222. 5s. 6d. per ton.

North Tanar.—The sumpmen are still engaged cross-cutting towards the lode. The lode in the 50 fathom level north has not been broken.

Ditto 40 ditto—one foot wide, good work at present.

Ditto 40 ditto—one foot wide, good work at present.

Ditto 30 ditto—opened to a large size, producing a large quantity of mundic.

with some ore.

Wheal Hancock.—The engine-shaft is sunk 2 fms. 3 ft. below the thirty-seven fathom level; the ground is a little more favourable for sinking. In the cross-cut at the 27 fm. level the ground is still very hard for driving. J. Sprague.

cut at the 27 fm. level the ground is still very hard for driving. J. SPEAGUE.

March 10.—In presenting you with a report of the operations now carrying on in this mine, I beg to say we are driving the forty fathom level east on the course of the lode; we have driven through a large lode, composed of jack, peach, and some very fine stones of yellow ore; our lode at this time is about two feet wide, and has a promising appearance; we are also driving a cross-cut at the forty, from the present engine-shaft to the new, and expect it will be driven into the shaft by the time the shaft is sunk to that depth. Taylor's, or the new engine-shaft above alluded to, is already sunk 20 fms. 3 ft., the ground being still very favourable for sinking. We are driving the sixteen fathom level east, and have met with three cross-courses in driving seven fathoms; between the cross-courses the lode varied from two to three feet in width, composed chiefly of soft spar and mundic, with spots of copper ore; the end is about three fathoms east of the cross-courses, and is improving in appearance. The walls of the engine-house and stack are up, and will be covered in this week; we are expecting the castings on the mine hourly; as soon as they arrive we shall commence to heave the engine in. We have about 220 tons of jack on the surface, nearly ready for sale, and about twenty-four tons of copper of good funlity.

At a meeting of the shareholders, on the 6th inst, it was resolved.—That a

At a meeting of the shareholders, on the 6th inst, it was resolved—That a call of 5L per share be made, to be paid into the East Cornwall Bank, and that 400L out of the 600L, due to the bank, be paid out of this call.

call of 5th per share be made, to be paid into the East Cornwall Bank, and that 400t out of the 600t, due to the bank, be paid out of this call.

GOOK'S KITCHEN MINE.

March 15.—North Tincroft lode, in the stopes in the bottom of the sixty fathom level, east and west of the shaft, is three feet wide, and worth 10th per fathom. The pitch in the bottom of the fifty, west of the shaft, continues to look well, and the men likely to get good wages, at 6s. 8d. in 20s. In the cross-cut south from flat-rod shaft, at the seventy fathom level, the ground is somewhat harder. Chapple's lode, in the 170 east, is at present disordered by the cross-course. In the 160 west the lode is four feet wide, and worth 7t per fathom for tin. In the 140 east we have commenced cutting through the lode; we expect to cut Eudey's lode in the cross-cut north, at the ninety fathom level, in about six feet more driving. Dunkin's lode, in the 170 west, is three feet wide, with a very promising appearance. We have cut the lode in the cross-cut north, at the 140, west of the little cross-course; the part which we have seen is three feet wide, but have no north wall; it produces good work for tin, but cannot yet ascertain its value, not having driven sufficiently on it—hope to report more fully on next week. In the cross-cut south from Rogers's shaft, at the twenty-nine fathom level, we have driven twelve fathoms through the elvan, and have met with small strings of ore; we are daily expecting to cut the lode on the other side of it. Our tribute departments are without any material alteration; owing to the severity of the weather, we have not been able to get on with our tin dressing as we should have done. We expected to have sampled next week about 1000t worth of tin, but, should this weather continue, we fear it will considerably decrease it.

Mark 14 In the sichety see the Willewster on the lode in the cross-cut was the lode in the circuit to the lode in the cross-cut was the lode in the cross-cut was the lode in the cross-cut was the lode in

expected to have sampled next week about 1000t, worth of tin, but, should this weather continue, we fear it will considerably decrease it.

A. EUDEY.

UNITED HILLS MINING COMPANY.

March 14.—In the eighty, east of Williams's shaft, the lode is eight feet wide, three feet good ore, worth 50t, per fathom; west of ditto the lode is three feet wide, coarse in quality, worth 6t, per fathom; in the seventy, east of eastern shaft, the lode is two feet wide, mine inches on the north part ore of average quality, worth 7t, per fathom; in the seventy, west of diagonal shaft, the lode is three and a half feet wide, producing but a small quantity of ore, worth 5t, per fathom; the winze under the sixty, east of eastern shaft, the lode is three and a half feet wide, two feet good ore, worth 20t, per fathom. In the fifty cross-cut, south of ditto, the ground is a little more favourable for driving. In the winze under the forty, west of James's shaft, the lode is two and a half feet wide, two feet ore of fair quality, worth 15t, per fm. In the sixty, west of James's shaft, the lode is two and a half feet wide, two feet ore of fair quality, worth 15t, per fm. In the sixty, the lode is eighteen inches wide, one foot ore of average quality, worth 6t, per fathom. In the ten, east of ditto, the lode is poor and unproductive. At Wheal Sparrow, in the fifty, east of dibon's shaft, the lode is four feet wide, orey throughout, but coarse in quality, worth 4t per fathom; in the fifty, east of ditto, the lode is two and a half feet wide, one foot on the south part ore of fair quality, worth 4t, per fathom. In the forty, east of ditto, the lode is two feet wide, with but little ore, worth 2t per fathom; in the forty, west of ditto, the lode is eighteen inches wide, one foot on the south part ore of fair quality, worth 4t, per fathom. In the forty, east of ditto, the lode is two feet wide, with but little ore, worth 2t per fathom; in the forty, west of ditto, the lode is eighteen inches wide, one foot on the south part ore of fair quality,

thom. Fifty cross-cut, driving south of Gibson's, to cut Stacey's lode.

T. TREVENEN. R. WILLIAMS.

BEDFORD UNITED MINISG-COMPANY.

March 17.—At Wheal Marquis the driving of the Seventy fathom level cross-cut south has been much impeded, from the severe frost for some time past, and at present prevailing. The lode in the fifty-eight fathom level east is two and a half feet wide, composed of spar, mundic, and ore, worth 8L per fathom; and in this level was the lode is three feet wide, composed of spar, mundic, and ore. The lode in the winze, sinking in the bottom of the forty-seven fathom level east; is two feet wide, and worth 20L per fathom. In the forty-seven fathom level west, the lode is one foot and a half wide, composed of spar, mundic, and ore. The lode in the deep adit level remains without alteration. The pitches continue to look well.—At Ding Dong, in consequence of a breakage in the lift, the sinking of Thomas's engine-shaft has been suspended during the past week. The lode in the twelve fathom level east is about twenty inches wide, composed of spar and mundic, with good stones of ore.—At Wheal Tavistock Phillips's engine-shaft is now about twenty-two fathoms under the surface; the lode is one foot and a half wide, composed of gossan and spar.—At Delve's Kitchen we are proceeding satisfactorily with the clearing of the adit level.

JAMES PHILLIPS.

CORNUBIAN MINING COMPANY. CORNUBIAN MINING COMPANY.

March 17.—The lode in the cighty-six fathom level, going west of Murray's engine-shaft, is three feet wide, of a flookan mature, and yielding some rich stones of lead; at this level, going east, the lede is also large, composed of flookan, soft spar, and mundic. The two pitches working over at the seventy-cight fathom level, west of Murray's shaft, are looking favourable, having a tolerable good lode. The pitch noticed last week, working by eight men, on the north lode, at the seventy fathom level, as having much improved, continues to look well. Other pitches remain without alteration.

R. Rowe.

the north lode, at the seventy
tinues to look well. Other pitches remain without alteration. At now a

CONSOLIDATED TREPOIL MINING COMPANY.

March 17.—The lode in the sixty fathom level, west of Henwood's shaft, is
one foot wide, producing good stones of ore; price for driving 71, per fathom;
ditto, east of Henwood's shaft, the lode is one foot wide, producing a small quantity of ore; price for driving 61, per fathom. The lode in the forty fathon
level, east of ditto, is fifteen inches wide, worth 21, per fathom; price for driving 31, per fathom—tribute, when set, 11s. in the 11. We have sampled this day

H. WILLIAMS.

ing at, per inthom—tribute, when set, 11s. In the 1t. We have sampled than day fifty-four tons of ore.

H. Williams.

WEST WHEAL JEWEL MINING ASSOCIATION.

**March 17.—The rise in the back of the 100 east, on Wheal Jewel lode, is worth 6t. per fan.; the lode in the ise, in the back of the eighty-five, east on ditto, is worth 6t. per fathom; the lode in the winze, sinking below this level, is worth 6t. per fathom; the lode in the eighty-five, west on ditto, is nine inches wide, unproductive. The winze sinking below the save the save and the same level, east of cross-course, is worth 4t. per fathom. The ground in the eighty-five cross-cut north is still favourable. The forty-two east, on Bucking-ham's lode, is worth 2t. per fathom. The thirty east, on Morcom's lode, is two and a half feet wide, composed of spar, mundic, and spots of ore. The lode in Wilkinson's engine-shaft, sinking below the fifteen fathom level, is two and a half feet wide, composed of spar, mundic, and stones of ore.

Step-hen Lean.

RICHARD JOHNS.

HANSON MINING COMPANY.

March 17.—I beg to say, the engine-shaft is sunk to the fifty-four fathom level, and our sumpmen have commenced driving at that level to cut the lode, which I expect will be done in a few days. The lode in the forty-four fathom level east is eight inches wide, unproductive; the west, end, same level, is disordered by a horse of killas, and poor for ore. We have commenced sinking Garden shaft under the thirty-one fathom level, in which the lode is twenty inches wide—a very kindly lode, with good stones of ore. In the thirty-one fathom level, cast of Garden shaft, the lode is divided by a horse of killas; the south part of the lode is twenty inches wide contain a great deal of mundic—a very kindly lode, with some ore; in the thirty-one west the lode is small and unproductive. At Treza we are rising stones for the engine-house, and have a good quarry. Z. WILLIAMS.

rising stones for the engine-house, and have a good quarry. Z. Williams.

Callington Mining Company.

March 17.—In the ninety fathom level, driving north of John'son's engine-shaft, the lode continues productive, leaving good tribute ground; in the south end, the lode has not been taken down. In the eighty fathom level north, the lode is worth 3d per fathom; in the south end it has not been taken down. In the sixty fathom level we are driving through tribute ground. At the North Mine, in the eighty fathom level, the lode has been intersected and hove by a cross branch. In the seventy fathom level south we are driving through productive ground, leaving back and bottom that will work at a moderate tribute—the caunter lode, at this level, continues much the same as last week. In the sixty fathom level the lode is producing silver-lead ores; in the forty fathom level we are now driving in the same channel of elvan that we have driven through at the sixty fathom level south mine, and find the lode continuing productive, being fourteen inches big, with good branches of silver-lead ores. We sampled on the 13th inst. seventy tons of silver-lead ores. J.T. Phillips.

Productive, being fourteen inches big, with good branches of shired We sampled on the 13th inst. seventy tons of silver-lead ores. J. T. Phillips.

Tincroft mining company.

March 17.—I beg to hand you my report of these mines as usual. The engine-shaft is now about four fathoms below the eighty fathom level, ground favourable, the lode standing to the south. The lode in the eighty fathom level east is twenty inches wide, six inches good ore, worth 10t per fathom. The lode in the eighty fathom level west is worth 20t. per fathom, leaving good back and bottom. The lode in the seventy fathom level east is three feet wide, nine inches good quality ore, worth 20t. per fathom. The lode in the sixty and seventy fathom level west is is two and a seventy fathom level west is two and a half feet wide, producing some good ore, and is very promising. The rise in the back of this level against Willoughby's shaft, worth 15t. per fathom; the said shaft coming down on this rise, worth 12t. per fathom. The lode in the fifty fathom level west is three feet wide, orey throughout, worth 9t. per fathom. The forty (east and west) is unproductive. The pitches in this part of the mine continue to yield fair quality work. Palmer's shaft, on East Pool, south lode is about three fathoms between the sixty fathom level, producing some ore and kindly; the sixty fathom level west is thom level west on north lode, which has been unproductive for some time, is now improving. The lode in the winze, sinking under the sixty fathom level, is two feet wide, producing some good quality ore, worth 9t, per fathom, and improving as we sink; the lode in the winze, sinking under the sixty fathom level, is two feet wide, producing some good quality ore, worth 9t, per fathom, and improving as we sink; the lode in the winze, sinking under the fixty fathom level, is two feet wide, producing some good quality ore, worth 9t, per fathom, and improving as we sink; the lode in the winze, sinking under the fixty fathom level, is two feet wide, producing some good

this part of the mine are working with spirit, and making fair wages at their different tributes.

CREAT WHEAL MARTHA CONSOLIDATED MINES.

**March 15.—Herewith I beg to send you the annexed report. At the new mine, in the twenty fathom level west, the lode is four feet wide, composed of spar and mundic, intermixed with ore, with improved appearances; we expect to be soon under the shoot of ore we have in the level above; going east in the twenty the lode is 8 ft. 6 in. wide, composed of soft spar, mundic, peach, and copper, and improving. In the ten fathom level west we are now through the cross-course, which is lifteen or sixteen feet wide; we have the lode west of this four feet wide, two feet of which is composed of soft spar, and burnt-up, mundic, coated and intermixed with black oxide of copper, presenting appearances most flattering, indicating abundance of ore in depth. In the deep adit we are still driving by the side of the lode, with ground favourable; we intend about the end of the month to cut through this lode, to examine its composition and bearing. The engine-shaft, at the higher mine, is down 8 fms. 4ft. below the seventy; the lode is seven feet wide, composed of spar and large quantities of mundic, interspersed with ore. In sinking under the sixty we have the lode four feet wide, two feet of which is good saving work, the remainder is composed of spar, spotted with ore; in the sixty east the lode is just as last reported, but having an increase of water coming from the south, we have commenced driving south to see if any part of the lode is gone off in that direction. It appears at Wheal Maria they have two lodes, both rich, one underlaying south, the other north. It is very probable that our south lode at the new mine is Wheal Maria north lode; their south lode is supposed to pass through our sett, south of our present workings. The distance of Wheal Maria lodes, apparently running through Wheal Martha sett, from east to west, is nearly a mile and a half, which, of course, greatly enhances

still costeaning, endeavouring to cut Wheal Maria south lode. T. Penaluna.

TRELEIGH CONSOLS MINING COMPANY.

March 15.—In the seventy, west of Good Fortune, the lode is about three feet wide, with stones of ore, and has a kindly appearance; in the seventy, east of ditto, the lode is two and a half feet wide, spar impregnated with ore. In the sixty, west of ditto, the lode is two first wide, worth about 6l. per fathom, not as yet got clear of the cross branch; in the rise, above the sixty east, no lode taken down. In the firty, west of Symons's, the lode is two feet wide, worth 12l per fathom. In the forty-four, west of ditto, the lode is about two feet wide, with mundic and stones of ore. In the thirty-four, west of ditto, the lode is about two feet wide, with mundic and stones of ore. In the thirty-four, west of ditto, the lode is about two feet wide, looking kindly with ore and mundic. In the about two feet wide, looking kindly with ore and mundic. In the about two feet wide, looking kindly with stones of ore, not of much value. In the fifty, west of Garden's, the lode is eighteen inches wide, producing stones of ore. I beg to remark we have kept out the water through the week at Good Fortune well, and the men have worked regular. On the north lode the water is at the seventy fathom level; but we hope by the working of North Down's engine, which we have set to work to day, will enable us soon to drain this part of the mine. We have commenced heaving in the engine, and shall lose no time until completed. The present week has been a very severe week of weather.

VILLIAM SYMONS.

week has been a very severe week of weather. WILLIAM SYSTONS.

Leg to hand you my report of this mine—the prospects at present are of a very encouraging nature. The lode recently discovered in the southern extremity of the thirty-four fathom level cross-cut, in the South Caradon mine (about 150 fathoms west of this sett), still continues rich, and increasing in size; the ground about the lode is soft. The above lode has greatly increased the value of this mine, as it runs through the full length of the sett. The lode lately discovered in the saw-pit, is ten feet wide, composed of gossan, mics, fluor spar, and particles of copper. The engine-shaft is sunk nine fathous; several branches have been cut in the shaft, composed of spar and copper, runing into the lodes; a two-horse whin is now in work, a timber house is creeted, a smiths' shop is in building, and, in about a fortnight, it is expected, the engme-house will be commenced.

WHEAL CONCORD.—A meeting of the shareholders was held at the New Inn. Yuell Down, on Monday, the 17th inst., when an engine was ordered to be immediately erected, and a call of 11. per share was made. The shareholders were not only highly pleased with the appearances of the mine, but surprised to see so large a pile of lead oreson the grass, which had been raised from the best of the lode. This mine is about a mile north of the rich Wheal Maria; and is supposed to be on the same lode as Wheal Friendship, from which such large profits have been realised.

Current Prices of Stocks, Shares, & Metals. ENGLISH AND FOREIGN STOCKS.

STOCK EXCHANGE, Saturday morni Russian, 5 per Cents., 116‡ 117‡ Spanish, 5 per Cents., 30‡ ditto, 3 per Cents., 40‡ å Brazil, 5 per Cents., 40‡ å Brazil, 6 per Cents., 10 å Colombia, 6 per Cents., 14‡ Mexican, 5 per Cents., 36‡ 7 Peru, 6 per Cents., 33‡ 3‡ ansols, Money, 99 § §
ditto, Account, 100 §
xchequer Bills, 59 61 pm,
eldan, 5 per Cents., 1000 1§
andth, 3 per Cents., 1000 1§
andth, 3 per Cents., 63 §
ditto, 4 per Cents., 63 §
ditto, 4 per Cents., 68 9
rringuese, Conr., 5 per Cents., 68 9

LATEST PRICES OF IRISH STOCKS.—3 per Cent. Consols, 994/. to 99/l.; 3 per Cent. Reduced, —4; 34 per Cent. Stock, 102/l/. to 102/l/.; 34 per Cent. Debentures, 94/l. to 94/l.; Bank Stock, 21/l.—Dublin and Kingstown Railway, 24/8.; 1 progheda, 99.; 64. Southern and Western, 12/l.; Dublin and Railway, 24/l.; Deblam and Kingstown Railway, 24/8.; Dublin and Athone, 24/l.; Dublin and Galvay, 24/l. eliebat and Ballymena, 34/l.; Linnerick and Waterford, 44/l.; Dundalk and Enniskillen, 34/l.; Wexford and Carlow, 24/l.—Hiberrian Bank, 34/l.; Mational Bank of Ireland, 164/l.; Royal Bank, 144/l.; National Bankraic, 40/l.; Patriotte, 114/l.; Mining Company of Ireland, 144/l.; Wicklow Copper Mine, 18/l.; City of Dublin Steam Company, 107/lsf.; British, and Irish Steam Company, 53/l.; Dublin and Glasgow ditto, 44/l.; Sieam-ship Building ditto, 54/.

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CURRENT PRICES AT LIV	ERPOOL-THUBSDAY EVENING.
Stock. Closing pr. Sales.	! Slock. Closing pr. Sales.
Aberdeen Railway £21 21 —	Y 1 0.0 11 Washam 70 00 701
Barnsley Junction 61 74. 61	London and York 31 34 34
Belfast and Ballymena 34 34	Lynn and Ely 5 5 — Lynn and Dereham 15 15 — Loeds and West Riding. 6 7 7 6 7
Blackburn & Accrington 64 64	Lynn and Dereham 11 14
Blackburn & Accrington 6 6 6 — Blackburn and Bolton 4 4 4 4	Leeds and West Riding., 61 74 7 61 7
Blackburn and Preston. 15# 154 15#	Limerick and Waterford 41 41
Birkenhead, Manch., &c. 91 10 91 10 91	Limerick and Waterford 41 41 — Manchester and Goole idis ipm —
Birming. & Gloucester 134 135	Manchester & Birming. 64 65
Bolton, Wig., & Liverp. 114 114 114 411	Manch., Bolton, & Bury 163 164 164 4}
Bristol and Exeter 82 83	Manch. & Rossendale 141 141 141
Bristol and Gloucester 58 59 59	Manchester & Buxton 14 2
Caledonian 9 10 10 10	Manchester and Leeds 145 147
Cambridge and Lincoln. 64 64	Midland Stock140 141140 1
Chester & Birkenhead 464 474 47	Mullingar and Athlone 2 24 2
Chester and Holyhead 82 84	Newcastle and Berwick 14 15 14# #
Churnot Valley 64 64 64 61 4 7	Newcastle and Carlisle123 124
Cork and Bandon 3 4	Newcastle & Darlington 47 48
Cork & Limerick, Direct 1 1	North British 17# 17#
Direct Northern 41 41 41	North Kent 34 34
Dubin and Benast of of	North Union, Stock A. 144 146
Dublin and Cashel 12 124 —	Ditto ditto B. 84 86
Dublin and Galway 21 34 21	North Wales Mineral 127 131
Dublin and Drogheda 84# 86#	Norwich and Brandon 17 18 —
Dundalk & Enniskillen 24 85	Oxford, Wore., & Rugby 3; 4 4
Dundee and Perth 3 34 34 3	Preston and Wyre 31 32 31
Eastern Counties 21 21 21 4	Scottish Central 54 54 54 #
Edinburgh and Glasgow 61 62 61 2	St. Helens & Runcorn G. 24 25
Edinburgh & Granton 14 15	Sheffield and Lincoln 11 11 11
Edinburgh & Northern. 18 18 — Ely and Bedford 21 28 —	Sheffield & Manchester112 113113 12 Shrewsbury & Gr. June. 54 51 6 54
Ely and Bedford 21 21	
Glasgow, Dumfries, &c 1 11 11 1	Shrewab. Wolverh., &c. 41 41.41 11 South-Eastern 431 431
Glasgow and Greenock 17‡ 18‡ 18 ‡ 17‡	South Wales 61 64 62 1
Glasgow, Paisley, & Ayr 62 63 —	South Wales
Grand Junction225 227 — Gt. Grimsby & Sheffield 31 31 —	Ulster 44 44 —
Gt. North of England 190 192 —	West Yorkshire 31 31
Great Western179 181 —	Wexford and Carlow 21 21
Harwich	Yarmouth and Norwich 271 281
Huddersfield and Manch. 54 54 54	York & North Midland 102 104
Huddersfield & Sheffield 44 42 44	York and Selby 67 68
Hull and Selby 96 98	Jamaica 30 304
Kendal & Windermere. 44 41	
Kilkenny Junction 1 1	Boulogne and Amiens 114 12 114
Lancaster and Carlisle 35 36	Con. Central of France 17# 18#
Lancaster and Preston 53 541 54	Lyons and Avignon 24 24 24
Leeds and Bradford 45 47	Northern of France 6 6 6 6
Leeds and Dewahury 34 32	Orleans, T., & Bordeaux 10# 10#
ceds and Thirsk 54 54 44 75 4	Paris and Lyons 41 51 41 1 1
diverpool & Manchester 206 208 208	Paris and Orleans 52 53 —
Averpool and Preston 3 3 3 3 1	Paris and Rouen 45 45 45
ondon & Birmingham 231 233 231	Paris and Strasburg 24 24 —
	Ronen and Havre 31 31
ondon and Brighton 64# 65# —	Sambre and Meuse 5‡ 6
condon and Croydon 18 18	Strasburg and Basle 13 134
ondon and Portsmouth 2 24	Tours and Nantes 3 34
13, Castle-street and Stock Exchange, Liver	pool. JOHN GREAVES.

LEEDS, THURSDAY .- The share market continues brisk, and prices have an upward tendency. It has been reported, though with what degree of truth we know not, that Mr. Hudson has leased the Great North of England, at 8 per cent. and one half surplus pro-fits—this arrangement we think would hardly be so satisfactory as the 10 per cent. certain, fits—this arrangement we think would hardly be so satisfactory as the 10 per cent. certain, which Mr. Hudson proposed; the old stock, however, is firm at 1904., and the 404. shares, at 454.—prices which fully evidenced the confidence of the public in this stock, Midlands are firm at 1404.; Eastern Counties partly urged upwards by the prospect of an issue of new shares, and partly by the Board of Trade report, are good at 224. Manchester and Leeds are advancing, buyers are compelled to give 1474. cx div. Laucaster and Carlisles, to which we drew attention last week, at 344, are now selling at 354., and will be 20s. to 30s. higher before we next write. North British barely maintain their last week's figure of 744, pm; we urged this stock on our friends two months ago at par. Leeds and Bradford are better than they were a week ago at 304, pm; as are the Extensions at 274, pm. Thirsks are brisk at 40s. pm. West Yorks improving at 13s. pm. Ridings are hardly so strong as before, at 55 pm. The North-Western shares have come out, and at one time reached 34. pm.; they leave off at 344. pm. to-day.

ROYAL NORTH OF SPAIN RAILWAY.

We last week briefly adverted to this project, and, as we augured, it has taken with the public—the shares being quoted at from 2½ to 3 pm. With the speculative advantages arising from transactions in shares for the "coming out" we have nought to do, our object being alone to direct attention to the prospects which the adventure holds out to the capitalist, and those who may embark in the speculation. We observed, last week, that one-third of the capital required has been subscribed by parties in Spain, and, however, we may exclaim against, and censure, the Spanish Government fer want of faith as regards the loans advanced by this country, yet it will be readily admitted that Spain possesses individual wealth, many of the capitalists of which are in a position to vie with those of this country. It is, therefore (prima facie) strong evidence of the opinion entertained by those parties who have associated themselves with the enterprise, as to the beneficial results which may be contemplated from the execution of the project; and, judging from the past, we are inclined to think that parties in Madrid would not be disposed to invest their money without first having ascertained the merits of the undertaking and the prospective advantages it presents. It will be seen, on reference to the prospective advantages it presents. It will be seen, on reference to the prospective in the prospective and highly to the credit of the parties who have brought about this measure we believe there is no one patron who is not interested as a shareholder. This we recommend to the attention of many of the projectors of schemes, who invite parties to lend their names, but, who, at the same time, take good care not to visk their capital.

In adverting to the projection of this railway, we should have especially We last week briefly adverted to this project, and, as we augured, it

to lead their names, but, who, at the same time, take good care not to risk their capital.

In adverting to the projection of this railway, we should have especially named in our last notice, Mr. Keily, a gentleman to whom we believe the sole credit is due for having accomplished the object in view—that of seenring the aid not only, of those most influential in Madrid, but also obtaining powers from the Government, far exceeding, as we are given to understand, the expectations of those most sanguine. The directors in Madrid are composed of gentlemen, whose business habits and whose names are sufficiently known to the mercantile world, to ensure not only application to business, but integrity; while in London, the names of the chairman and deputy-chairman, with the body of directors generally, must give to the shareholder confidence in the undertaking, while it ensures to him a proper application of the resources placed at their command. We shall next week give some statistics, which will better enable our readers to judge of the merits of the line, and which we hoped to have been in a position to present on the present occasion.

Ventuation of Collieries and the Export Duties on Coal.—
The Marquis of Londonderry, on Tuesday evening, complimented the Government for the course they had adopted respecting the better ventilation of coal-pits. He expressed his belief that the report of Professors Faraday and Lyell, which, after a consideration of the coal-owners' suggestions, would be eventually submitted, would prove highly beneficial to the miners generally. He also took that opportunity of thanking the Government, on behalf of that trade of which he was a member, for removing the duty on the export of coals—a measure which, he considered, would tend greatly to improve the condition of the pitmen, who, for six or seven months past, had suffered great misfortune and wretchedness, in consequence of the conduct they had pursued under the influence of designing demagogues. They were a class of men usually respectful to their employers, industrious, and peaceable; but he regretted that they had been excited and upheld by persons from whom better things might have been expected.

Sampled March 5, an I sold at Pearce's Hotel, Truce, March 20, 1845.

Mines.	Tons.	Price.		Mines. Tous.		Pric	10.
Wh. Maria	116	£11 10 6		Wh. Jewel 80		5 1	6
ditto	111	. 11 11 0		ditto 54	****	4.5	0
ditto	110	. 11 14 0		ditto 49	****	10 0	6
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ditto	93	. 14 0 0		ditto 38		3 13	0
ditto	bl	. 13 11 0		Par Consols 72		4 3	6
ditto	51 i	. 12 12 0		ditto 67		5 4	0
Poldice	67	. 4 8 0		ditto 66		5 8	0
ditto	64	. 5 3 6		Fowey Consols 118		4 7	6
ditto	62	4 18 6				2 10	0
ditto	.56	4 1 6		Holmbush 101		9 10	0
ditto	49	4 2 0	111	ditto 95		6 12	6
ditto	48	3 15 6	414	Wh. Seton 82		4 17	6
ditto	39	3 11 6	- 1	ditto 54		4 8	6
ditto «	30	2.5.6	-1	ditto 38		6 7	0
ditto	19	3 14 6		South Towan 89 .		3 18	0
West Caradon	139	6 8 0		Wh. Lydia 66 .		3 17	0
ditto	133	6 5 6	. 1	Allaha NA		6 11	6
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Tresavean	.140	4 2 6		\$379. NW.		4 19	0
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Wheal Maria676		£8383	13	0	Wheal Seton 174 £	880	. 0	0
West Caradon439	****	1820	2	0	South Towan} 166	673	10	6
Tresavean		1618	- 6	- 6	Hedford United 110	761		
Wheal Jewel269		1452	12	6		512		
Par Consols205	****	1005	8	0	Carharrack 5 09			
Holmbush 196	****	1588	17	-	Wheal Henry 55 Wheal Anna 33	247	5	6
Average standard 957		Average		ndn.	co. 82 - Average price per ton 6/	103	19	0

Quantity of ore, 3450 tons.—Quantity of fine copper, 335 tons 6 cwt.—Amount of m 22,762/. 5s. 0d.—Average standard of last sale, 101/. 6s.—Average produce ditto, 8.

COMPANIES BY WHOM THE	ORES	WERE PUL	ICHASED,	elle:		
The supplying and annulated that the list		Tons.	Ame	oun	t	
Mines Royal Company		. 369	· · · £2986	.5	0	
English Copper Company		. 449	2658		6	
Vivian and Sons		. 508	3295	3	6	
Freeman and Co		. 240	2288	1	6	
Grenfell and Sons		. 5094	3455	14	9	
Sims, Willyams, Nevill, Druce, and Co.		476	3068	8	0	
Williams, Foster, and Co		8981	5010	7	9	
The second of the second of the second		-	-	-	-	
Patala						

Copper ores for sale on Thursday next, at Pearce's Hotel, Truro.—Mines and Par-cels.—United Mines 800—Consolidated Mines 764—Trethellan 310—Tresavan 299—Fowey Consols 203—Hallenbeagle 202—Lanivet Consols 145—Wheat Ellen 120—Wheal Blay 117 —Wheal Frudence 108—West Trethellan 74—Treleigh Consols 73—Williams's East Downs 3—Nanjlies 14.—Total, 2954 tons.

Copper ores for sale on Thursday woek, at Serpell's Hotel, Pool.—Mines and Parcels—Seat Wheat Crofty, &c., 822—Tineroft 430—Camborne Vean, &c., 410—Tresavean Barrier 301—South Caradon 300—Dolcoath 285—South Wheat Basset 260—Par Consols 244—East Pool 216—Fowey Consols 294—West Wheat Jewel 198—North Boakear 157—Trevlakey 138—Wheal Trewars 64—Gobblin 63—Trothi 34—Condurrow 22.—Total, 4169.

COPPER ORES

Sampled on the 26th of February, and sold, on the 19th March, at Su

					Mines.			
	Knockmahon 117	84.	. 991 £	6 11 0	Cobre	. 106 .	. 22 804 €1	5 9 0
	ditto 102	9 .	. 974 1	6 11 0	Chill	. 73	414., 80 3	0 18 6
	ditto100	64.	. 1034	4 15 0	ditto	24	384 8042	8 16 6
	ditto 96	91.	981	7 6 6	ditto	19	264 8941	9 16 6
	ditto 88	61.	. 1004	4 13 0	ditto	67	997. 91 9	1 9 0
	ditto 80	8 .	. 102 !	5 18 0	ditto	47 :-	204 804 9	1 5 0
2	ditto 58	74.	.102	5 8 0	ditto	9	29 8042	1 1 0
	ditto 53	101.	. 962 7	7 13 6	Bearhaven	126	104. 954.	7 9 0
	Cobre 83	121.	. 884 1	8 12 0	Cronebane	120	611034	4 17 6
	ditto 81	204:	· 8251	6 14 0	Davies's ore	40	341264	2 3 6
	ditto 53	121.	. 861 8	8 12 0	ditto	18	4 1194 5	2 10 6
	ditto 49	20 .	. 824 14	4 5 0	Dhurode	37	54111 2	11 6
	ditto 13	144.	. 854 10	0 3 0	ditto	15	34139 1	17 6
- 1	ditto 128	124.	. 88 8	8 6	Vigra & Clora	96	341961	8 8
	ditto 100	12#.	. 861 8	8 6	ditto	17	41. 1194 1	
	ditto 57	12	. 86\$ 8	16 0	ditto	5	13 864 5	0 0

Total tons, 2007.—Total amount, £19,370 2s. 0d.

TOTAL PRODUCE.										
Knockmahon 694 24 Cobre	250	14	0 1	Davies's ore			58	139	0	0

COMPANIES BY WHOM THE ORES WERE PURCHASED.

English Copper Company	. 626	£3715 13 6
P. Grenfell and Sons	. 116	3326 0 0
Vivian and Sons	. 548	4959 8 0
Williams, Foster, and Co	. 717	7369 0 6
-		

es for sale April 9. Ballymurtagh 113—Cronebane 91—Vigra and Cloga 87-Cwm Sebon 12—Llanidlees 6—Bwlch 2.—Total, 1280 ton

LATEST CURRENT PRICES OF METALS.

£ 8. Æ 8. C.	£ 4 £ 4 A
Inox-Barg Wales ton 9 15-10 0 0	Tis-Com. blocks g cut. 0 0- 3 17 0
London 10 5-10 10 0	, bars 3 18- 3 18 6
Nail rods 0 0-11 5 0	
Hoop(Staf.) 12 0-12 10 0	Straits 0 0-3 10 0
Sheet 13 0-13 10 0	
Bars 11 10-12 0 0	
Dars ,, ,, 11 10-12 0 0	TIN PLATES-Ch.,ICi, box 1 16- 1 18 0
Scotch pig b, Clyde 5 10-6 0 0	"IX 2 2-2 4 0
Russian c, CCND 0 0-	Coke, IC 0 0-1 12 0
" PSI 0 0—16 0 0	
" Gourieff 0 0— —	LEAD-Sheet & ton 17 15-18 0 0
Archangel 0 0-	Pig, refined 0 0-19 0 0
Swedish d, for arriv. 0 0-13 0 0	" common 17 0—17 2 6
" on the spot 0 0-13 0 0	" Spanish, in bd. 0 0— —
, Steel, fagt. 18 0-18 10 0	, American 0 0
. kegse 17 10-17 15 0	SPELTER-(Cake)/ 0 0-22 5 0
Corres-Tilef 0 0-83 0 0	
Tough cake 0 0-84 0 0	ZING-(Sheet) m 0 0-30 0 0
Best selected 0 0-87 0 0	QUICKSILVER /b. 0 0-0 4 6
Ordinary sheets, 16. 0 0-0 0 94	
	REFINED METAL ton 0 0-7 2 6
a Discount 24 per cent. 6 Net cash.	c In bond, discount 21 per cent. d Ditto-
e in kegs and f-inch. f Discount 3 per o	cent. g Ditto 21 per cent. A Net cash
in bond. Discount 3 per cent.	Ditto 24 per cent. / Net cash, in bond-
m Discount 14 per cent. n In bend, disco	pnt 11 per cent.

REMARKS.—Except copper and smelter, which remain in an inactive state, the metal market continues not only firm, but has a tendency to further advance; this may be more especially applied to iron, although Scotch pigs were rather dull a few days ago, owing to some parties coming forward as sellers, for the sake of realising a good profit, but these parcels were promptly bought up, and this market again looks very healthy.—Many inquiries this week from the continent for lead, and there is no American nor soft Spanish hear or at Learneyd.

here or at Liverpool.

The Market for Metals co-higher prices from week to The Market for Metals continues to improve, har iron for new contracts being held for higher prices from week to week, the price being now about 10i, per ton in London for railway bars. Straits in is 5a. per wet. higher, but spelter does not sell at more than 21i. 10s. per ton.—Midland Counties Heraid.

COAL MARKET, LONDON.

MONDAY.—Price of cosis per ton at the close of the market:—Adair's Main 15 6—Buddie's West Hartley 16 6—Carr's Hartley 17—Chester Main 16—Davison's West Hartley 16 6—Holyweil Main 17—Morrison's Hartley 14—Medomaley 15 6—New Tanfield 15—Oid Pontop 14 6—Ord's Bedheugh 13—Oakwellgate Main 14 6—Potr's Primroso 14—South Pontop 13—Tanfield Moor 19—Townley 16—West Hartley 17—West Wylam 16—Wylam 15 6—Mail's End Bell and Brown 19—Hotspur 17 6—Killingworth 17 6—Newmarch 16 6—Ramsay, 16—Eden Main 19—Hawell 21—Lambine 20—Morrison 18—Russell's Hetton 20 6—Shotton 29—Stewart's 21—Caradoc 20 6—Hartlepool 21 and 21 3—Hesden 17 9—High Thornley 18 9—Leasingthorne 19 6—South Kellice 19 6—Trimdon 20—Adelaide 20 3—Barrett 18 6—Brown's Deanery 18 6—Gordon 16 6—Toes 20—West Hetton 17—West Tees 17 3—Darwentwater Hartley 16.—Ships arrived, 32.

WEDNESDAY.—Adair's Main 16 6—Brodn's West Hartley 16 6—Carr's Hartley 16 6—Davison's West Hartley 16 6—Morrison's Hartley 16 6—Od Pontop 13—Ord's Redheugh 13—Oakwellgate Main 14—Pontop Windsor 16—Pott's Primrose 14—Tanfield Moor 19—Townley 16—West Hartley 17—West Wylam 16—Wylam 16 6—Wall's End Gosforth 18 9—Heatton 18 6—West Hartley 17—West Wylam 16—Wylam 16 6—Wall's Hetton 21 3—Hetton 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 18—Pemberton 18 6—Stewart's 21 and 21 3—Lambino 20 9 and 21 3—Morrison 2

EXPORTATION of THE PRECIOUS METALS.—The following are the official return of the exports of gold and silver from the port of London for the week ending March 6:

Silver bars to Belgium 36,000 ounces.

Ditto coin £3,000

Silver coin to Canton 15,000 ounces.

PRICES OF	MINING SHARES.
BRITISH MINES.	DRITISH MINTO
Shares. Company. Paid. Pri 235 Andrew and Boscawen 93 33	BRITISH MINES Conhinesed
235 Andrew and Boscawen 23 30	5000 Treleigh Consols
96 Bell 10	9600 Tamar Consols
\$6 Bell	6000 Tincroft 7 144
10000 New British Iron pools	128 Trewellard 19 254
10000 New British Iron, regis	91 4000 United Hills 5 41
. 8000 Blaenavon 50 20	6000 Wickless Comment 1000 900
120 Brewer 70	512 West Former Consols 40
5000 Con. Tretoil Mining Ass. 21	384 Wheal Franco
128 Cosheen 20 200	128 Wheal St. Andrew 65 45
3900 Cornubian Leed Co. 5	197 Wheal Virgin 80
128 Comfort 3 4	256 West Caradon 40 300
2560 Cook's Kitchen 14	190 West Tretheller
3000 Blaenavon 50	128 Wheal Rose
1000 Callington 16 24	256 West Wheal Tolets 6 CI
198 Caradon Consols 45 1 10	1000 Wheal Harriet \$ 94
956 Caradon Conner Mine 14 5	128 Wheal Penrose 10
128 Caradon Mines	68 Wheal Clifford
256 Caradon United 1 12	256 Wheal Albert 10 19
128 Creeg Braws 120 100	128 West Basset
1900 Combmartin 51 10	128 Wheal Acland 13
128 Caradon Mines 1	128 Wheal Sisters 434 40 99 Wheal Seaton 150 600 128 Wheal Henry 324
1000 Dhurode	99 Wheal Seaton 150 600
10000 Durham County Coal 45 78	110 Wheal Hope (Zennor) 14 32
128 East Pool 5 45	one Wheat Hope (Zennor)., 14 18
94 East Wheal Crofty 450	200 Wheal Hope
East Wheal Albert	130 Wheal Trelawny 104 120
956 East Wheal Affred 9 10	200 Wheal Prudence 30 26
512 Fowey Consols 120	256 Wheal Treven
244 Grambler & St. Aubyn 871	107 Wheal Trevilson
100 Great Consols 1000 900	128 Wheal Catherine 54 15
956 Genemone	256 West Providence 74
250 East Whoat Affred. 2 10 512 Fowey Consols 120 2444 Grambler & St. Aubyn 120 2444 Grambler & St. Aubyn 970 100 Great Consols 1000 970 1000 Godolphin 25 256 Gonamena 6 130 256 Green Valley 12 20 10000 Hibernian 121 1 1000 Holmbush 14 36	256 Wheal Norths
10000 Hibernian 121 1	The state of the s
1000 Holmbush 14 36	256 West Wheal Shephard. 2 5 128 Wheal St. Cleer 73 30
128 Hallenbeagle 50	128 Wheal Reeth 1 60
1000 Hanson 5 5 800 Hawkmoor 2 34 160 Levant 150	128 Wheal Gill 174 40
160 Levant 150	128 West Cargoll 2 15
128 Laberth & Penstruthal 150	256 Wheal Concept
	206 West Wheal Shophard. 2 5 128 Wheal St. Cleer 7 7 30 128 Wheal Reeth 1 60 128 Wheal Gill 177 40 128 West Cargoll 2 15 266 Wheal Mary 1 10 256 Wheal Concord 1 10 128 Wheal Concord 1 10 128 Wheal Ventand 24 104 266 West Wh. Friendshp. 5
128 Ludcott	256 West Wh. Friendship 5
2800 Marke Valley 10 54	256 Wellington Mines 20 71 128 Wheal Prospect 4 71 256 Wheal Victoria 2 10
70 North Roskear 600	256 Wheat Victoria
200 North Holmbush — 15	200 Watcat Victoria 2 10
200 North Holmbush	CHARLES OF ROOM THE CHARLEST AND A
	FOREIGN MINES.
13000 Northern Coal Co	5000 Alten Mining Company 144 3 3 15000 Astrian Mining Company 144 3 1 15000 Astrian Mining Company 144 3 6 6 1 10000 Anglo-Mexican Co. 6 6 3 2 2000 Bolanos 150 6 1 10000 Ditto Serip 15 7 1 10000 Brazilian Imperial 2 7 7 1 10000 Brazilian Imperial 2 7 7 1 10000 Cata Eranca (Braz Co. 6 1 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
600 Old Delabole Slate Co. 25 45	10000 Anglo-Mexican Co 100 3
	3374 Ditto Subscription 25 4
10000 Rhymney Iron 10 24 25 10000 Rhymney Iron 50 40 2 256 Rose Consols 10 5 500 South Towan 10 1 280 Spearn Moor 20 - 1000 Stray Park 45 20 198 South Wheel Beauty 45 26 26 26 26 26 26 26 2	2000 Bolanos 6
256 Rose Consols 10 5	10000 Brazilian Imperial
800 South Towan 10 11	10000 Cata Branca (Braz Co.) 64
280 Spearn Moor 20	12000 Cobre Copper Co 40 224
128 South Wheal Basset 280	8500 Colombian Co. regis 55 1
128 South Caradon 5 600	10000 Braxilian Imperial 21 7 10000 Cata Branca (Braz.Co.) 64 1 12000 Cobre Copper Co. 40 121 12000 Cobro Copper Co. 40 121 12000 Colombian Co. 61 121 12000 Colombian Co. 41 121 12000 Colombian Co. 41 121 12000 Colombian Mining Co. 41 121
128 South Wheal Basset — 280 128 South Caradon 5 600 256 St. Austell Consols 4 12	10000 Coplapo Mining Co 14 51 20000 General Mining Ass'n. 20 16
256 South St. George	12000 Mocaubas & Cocaes 25 5
128 South Yeoland 101 25 25 25 26 South St. George 12 120 Trethellan 5 485 128 Trewayas 60	29320 { Ri.del Monte, regis. } 284 { 41 4
128 Trewayas 60	Ditto Red Depentures
96 Tresavean 10 330	Ditto Black ditto 17
128 Tokenbury	Ditto Loan Notes 150 117
96 Tresavean 10 330 128 Tregardock 5 8 128 Tokenbury 97 120 256 Trenow Consols — 135	1000 Mcsusan Company 59 5
120 Treviskey and Barrier 61 240	43174 United Mexican
	and an annual control and control at

RAILWAY SHARE LIST, AND TRAFFIC RETURNS.

Name of Railway.	Lgth. Rway.	Present ac-	Pd. or	Val. of Share.	Last Div.	Traffic 1845	Return 1844
Arbroath and Forfar	15	£140,782	20	15	21-	2101	-
Birmingham and Gloucester		1,527,267	100	133 5	100	£101	£105
Bristol and Birmingham	903	22,387	100	100 0	all to	3441	2067
Bristol and Gloucester	374	501,177	30	501 84	144	2441	Trans.
Chester and Birkenhead		519,331	50	414		421	77.
Dublin and Drogheda	32	579,253	60	1 1	11/2/02	548	320
Dublin and Kingstown	6	349,736	100	240	1000	540	-
Dundee and Arbroath	17	153,416	20	343	200	230	. 635
Durham and Sunderland	19	267,769	-00	32		477	204
E. Counties & North. & East.	84	4,090,328	45	200	(3 0 0)	3578	3939
Edinburgh and Glasgow	46	1,686,226	50	61 3	Call.	2160	
Glasgow, Paisley, and Ayr	. 51	1,081,531	50	624	110	1477	1985
Hasgow, Paisley, & Greenock	23	787,844	25	10	90	653	1211
Grand Junction	119	2,503,671	100	924	10	7939	
reat North of England	45	1,280,076	100	100 5	Cann	1602	6336 1335
roat Western	220	7,455,689	80	179 1		13827	11251
Liverpool and Manchester	31	1,698,696	180	207	1000	4645	3782
ondon and Birmingham	120	6,393,468	100	239 4	10	15784	13284
ondon and Blackwall	4	1,078,851	161	78 4	14	689	619
ondon and Brighton	56	2,637,753	50	634	6	2658	
ondon and Croydon	10	761,885	131	173184	4	820	2455
ondon and Greenwich	4	1,038,340	121	104114	the Lan.	727	704
ondon and South-Western	93	2,604,405	50	19 80	10	4543	4681
fanchester and Birminghain	al	1,959,062	40	86 8	5	4040	2672
(anchester & Leeds & Hull	87	3,972,869	70	145 8	100	6619	5246
fanchester, Bolton, & Bury	10	792,336	98	140	54	864	728
lidland	179	6,259,838	100	137 9	6	9672	7490
lewcastle and Carlisle	65	1,085,497	100	1204	Marin In	lat7	1225
ewcastle and Darlington	224	506,788	24	46 8	1	1060	
lewcastle and North Shields	7	316,869	50	70	1900	308	265
orthUnion, Bolton & Preston	32	1,028,593	100	1384	61	303	1113
reston and Wyre	22	432,014	50	31	0.5	354	228
heffield and Manchester	19	690,000	874	105	1-17	601	3464
outh-Eastern and Dover	88	3,464,179	334	43 4	24	3765	2681
aff Vale	30 1	595,090	100	105	3	834	689.
later	25	347,345	294	45		876	547
armouth and Norwich	204	250,057	20	284	5	188	941 -
ork and North Midlend	53	1,107,146		1094 3	10	2606	1670
aris and Orleans	-	2,000,000	20	101 34	4:5	4269	3894
aris and Rouen	-	1,995,306	20	He fee	74	3948	3596

ng are current prices of 1 Name of Railway. nagh, Coleraine and Portrush ... Eastern Union
Gt. Southern & Western (Ir Great Grimsby and Sheffield Guildford, Farnham, and Pot Hull and Gainsborough. Harwich and Eastern Counti Kendal and Windermere of Fra5\$ 64 Tot

THAMES TUNNEL COMPANY. The number of passengers who passed through the Tannel in the week ending March 15, as 25,272; amount of money, 105%, 6s. Od. (last year, 109%, 18s. 5d.).

JOINT-STOCK BANKS.

Shares. Company. Paid. Pr	rice, Shares, Company, Paid Price
22,500 Australasia £40 4	46 8 60,000 London Joint-Steek 10 14 1
20,000 British N. American - 50 4	451 40,000 Provincial of Ireland 25 45
5,000 Ceylon 20 1	14 15 20,000 Ditto, New 10 174
1,000 Commer. of London 200 2	23 20,000 National of Ireland 174 164
20,000 Colonial 25 1	14 15 10,000 Natl. Provl. England 35 201
10,000 Canada Bank 324 4	421 10,000 Ditto, New 10 94
4,000 Ionian 25 2	25 32,000 Union of Australia 95 oct
20,000 Landon and County 20 2	214 8,000 Ditto ditto 24. 2
10,000 London & Westminster 20 2	274 8 60,000 Union of London 10 101

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